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ROUTES
IN
JAMMU AND KASHMIR

ARRANGED TOPOGRAPHICALLY WITH DESCRIPTIONS OF
ROUTES; DISTANCES BY STAGES; AND
INFORMATION AS TO SUPPLIES
AND TRANSPORT.

COMPILED FROM THE MOST RECENT SOURCES BY
MAJOR-GENERAL LE MARQUIS DE BOURBEL,
R.E., RETIRED,
LATE CHIEF ENGINEER OF THE JAMMU AND KASHMIR STATE.



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BY

MAJOR-GENERAL HIS HIGHNESS THE MAHARAJA

SIR PRATAP SINGH, G.C.S.I.,

INDAR MAHINDAR BAHADUR, SIPAR-I-SULTAN

MAHARAJA OF JAMMU AND KASHMIR.

PREFACE.

THE Routes in this book are mainly compiled from the books of various authors and travellers, who have published a description and map of their journeys in or through Jammu and Kashmir. Some are taken from Lieutenant-Colonel Montgomerie's, R.E., Route book and map, and from his survey map of this country ; others are the result of my own notes when making a reconnaissance of the country for a railway to connect the Punjab with Kashmir, while the rest are collected from the information given to me at various times by traders and hunters of the country.

The notes taken during my own journeys in Jammu and Kashmir have enabled me to revise the length of the marches on some of the routes previously published, and to describe the general character of the route, whether at present fit for man on foot or horseback, or fit for laden animals, &c. The knowledge of the country acquired during a residence of 10 years has enabled me to give fairly accurate data regarding the prospect of shelter, supplies, grass, fuel, water and means of transport at each stage on many routes.

My object has been to present in a tabular and condensed form such information as may give to the traveller some idea of what lies before him, may afford him some help in his movements and may enable him to make timely arrangements to prevent detention on the march.

In the margin and foot-notes, the chief points of interest likely to attract the traveller are briefly alluded to, leaving him to form his own opinion of what he may choose to see.

All the routes in this book have been arranged into five groups, each radiating from a centre or capital of a province. Jammu, Poonch, Srinagar, Gilgit and Leh are the capitals of some chief provinces in the dominions of His Highness the Maharaja of Jammu and Kashmir, and have been selected as the most convenient centres, from which each set of routes radiate in a complete circle, extending generally to the North-Western Railway on the south, to Hazara, Kaghan and Chitral on the west, to Central Asia on the north, and to Chinese Thibet and Simla on the east. The Capitals of other provinces such as Baltistan, Zanskar, Badrawar, Ramnagar have not been taken as centres, as they are served by the other radiating routes.

This arrangement involves the recasting of the old published routes with different termini and some repetition of the parts of various routes, in order that each new route may be separate and complete. Though this adds to the bulk of the work, it will save to the traveller the trouble of making frequent reference to other parts of the same book and thus save his time, when on a journey.

Some portions of the old routes have become altered in time, through the action of glaciers, the shifting and erosion of rivers, landslips or other natural causes. Some routes have been newly constructed under the orders of H. H. the Maharaja of Jammu and Kashmir, and many local variations have taken place through gradual improvements. The names of some places have also changed. My endeavour has been to collect the most recent information available on these points for the revision of the old routes.

This book must be looked upon in the main as a selection and compilation from the works and maps of which a list is given ; from these this book takes its source, and my best acknowledgments are due to their several authors. In attempting a revision with the aid of later knowledge, many oversights or errors may have crept in, but on the whole, it is hoped, that this work may prove to be of some practical use to the public. A list of the Routes will be found at the beginning and an Index at the end of this book to facilitate reference.

The best maps for a traveller in Jammu and Kashmir are the one-inch two miles Map of Jammu and Kashmir published by the Surveyor-General of India and the Route Map of the Western Himalayas as published by the same office.

The existing rules in force as regards visitors to Kashmir should be procured from the office of the Resident in Kashmir at Srinagar or Sialkot.

The visitor to Jammu and Kashmir will find the six months, 15th May to 15th November inclusive, the best for travelling, while the last three months, 15th August to 15th November, are usually dry weather. There are shops in Srinagar, where he can purchase or hire a sufficient outfit of tents, stores, servants, &c., for a short journey, though, if not pressed for time, he had better collect at his leisure and bring such articles with him for a long journey.

As a rule the intending traveller will find it convenient to hire at his starting point at least one-half of the requisite transport for his through journey. Ponies and mules, with one man for every two animals, are procurable at every large market town. About 10 to 20 coolies are usually to be had at every intermediate stage, though there may be difficulty in getting these at times of religious and other festivals, of sowing and reaping crops. When travelling in Thibet and Central Asia, through transport for the entire baggage is essential.

DE BOURBEL.

GUPCUR, SRINAGAR,

Kashmir, 1897.

BOOKS AND MAPS WHICH HAVE BEEN CONSULTED :

- Abu Fazl-i-Allami. Ain-i-Akbari. Translated by Colonel J. S. Jarratt, see Vol. II, Fasciculi IV and V of Asiatic Society of Bengal, 1891.*
- 1820 *W. Moorcroft*—Travels in the Himalayas published in 1841.
- 1831 *Victor Jacquemont*—Travels in India.
- 1837-38 *Dr. H. Falconer*—Memoirs on Kashmir and Little Thibet.
- 1840 *C. F. Von Hügel*—Travels in Kashmir and Punjab.
- 1842 *G. T. Vigne*—Travels in Kashmir, Ladak, Iskardo.
- 1857 The brothers *Schlagintweit*—*R. G. S.* Vol. I.
- 1863-66 *Captain H. H. Godwin Austen*—*R. G. S.* Vols. 1863, 1864, 1866.
- 1868 *Shaw*—Yarkand and Kashgar, also *R. G. S.* Vol. 16, 1872.
- „ *W. H. Johnson*—Leh to Khotan, *R. G. S.* Vol. 11.
- 1869 *G. S. W. Hayward*—*R. G. S.* Vol. 13, also Vols. 14 of 1870 and 15 of 1871.
- 1870 *Dr. G. Henderson*—Lahore to Yarkand.
- 1872 *Havildar*—Journey through Chitral, *R. G. S.* Vol. XLII.
- 1873 *Dr. F. Stoliczka*—Geological Note on Route to Yarkand and Kashgar.
- „ *Colonel T. Gordon*—Roof of the World.
- 1875 *Dr. H. W. Bellew, C.S.I.*—Kashmir and Kashgar.
- „ *F. Drew*—Jammu and Kashmir territories with Maps.
- 1876-83 *R. Lydekker*—Geology of Kashmir and Chamba.
- 1878 *Captain H. Trotter, R.E.*—*R. G. S.* Vol. XLVIII and Routes of Yarkand Mission.
- 1880 *Colonel J. Biddulph*—Tribes of the Hindu Kush.
- „ *Wilson*—Itinerary in Abode of Snow.
- „ *Lieutenant H. H. Cole, R.E.*—Illustration of ancient buildings in Kashmir.
- 1883 *Lieutenant-Colonel T. G. Montgomerie, R. E.*—Routes in Western Himalayas with additions by Major C. E. Bates.
- 1884 *J. Collett*—Guide to Kashmir.
- „ *J. Northam*—Guide to Masuri, &c.
- 1887 *A. D. Carey*—Routes in Central Asia, *R. G. S.* Vol. IX.
- „ *C. F. Gilbert*—Hints to Travellers in Kashmir.
- 1888 *Dr. J. Ince, M.D.*—Handbook to Kashmir, with Maps, as revised by Dr. Joshua Duke.
- „ *T. D. La Touche*—Reports on Jammu Coal-fields and Sapphire Mines.
- „ *Dr. Arthur Neve*—Tourist Guide to Kashmir.
- „ *Major E. Ward, R.E.*—Sportsman's Guide to Kashmir and Ladak.
- „ *Mrs. Murray Aynsley*—Our visit to Kashmir and Ladak.

- 1888 *Cowley Lambert*—Travels to Kashmir and Ladak.
 1891 *H. A. Rose, C.S.*—Guide to Dalhousie and Neighbouring Hills.
 „ *Captain H. Ramsay*—Notes of Measurement of some Ladak Routes.
 1892 *Captain T. E. Younghusband, C.I.E.*—*R. G. S.* Vols. XIV, also X of 1888 and V of 1895.
Mr. H. Dauvergne—*R. G. S.* Vol. XIV.
 1893 *E. F. Knight*—Where Three Empires Meet, with Maps.
 „ *Sir W. M. Conway*—Route from Gilgit to Baltistan, *R. G. S.* Vol. I, No. II, and Climbing in the Himalayas.
 „ *The Earl of Dunmore*—The Pamirs.
 „ *Doctor Edith Huntley*—Notes of Journey Kangra, to Ladak.
 „ *H. Lansdell, D.D.*—Chinese Central Asia, with Maps, by Messrs. Constable & Co.
 „ *Lieutenant-Colonel H. A. Tyacke*—Sportsman's Manual to Kulu, Lahoul and Ladak.
 „ *Major E. Gordon Forbes*—Route from Simla to Shipki.
 1895 *Major C. S. Cumberland*—Sport on the Pamirs.
 1896 *Sir G. S. Robertson, K.C.S.I.*—The Kafirs of Hindu Kush, and Map.
 „ *S. J. Stone*—In and Beyond the Himalayas.

MAPS.

Sheets of the Atlas of India.

Survey Maps of Jammu and Kashmir by Lieutenant-Colonel T. G. Montgomerie, R.E.

Route Map of Punjab and Kashmir by Lieutenant-Colonel T. G. Montgomerie, R.E.

Turkistan and Central Asia by Lieutenant-General J. T. Walker, R.E., C.B.

Astor and Gilgit by Lieutenant-General J. A. Walker, R.E., C.B.

Thibet, *R. G. S.* Vol. IV of 1894 by Lieutenant-General J. T. Walker, R.E., C.B.

LIST OF ROUTES IN JAMMU AND KASHMIR.

No.	FROM	TO	BY	PAGE
I	JAMMU	AMRITSAR	PAKOI OORF DEHRA BABA NANUK.	2
Ia	<i>Pakoi oorf Dehra Baba Nanuk</i>	<i>Jalandhar</i>	<i>Batala</i>	3
II	JAMMU	AMRITSAR	SIALKOT	4
III	JAMMU	LAHORE AND MIAN MIR	EMINABAD	6
IV	JAMMU	GUJRANWALA	SIALKOT	7
V	JAMMU	WAZIRABAD	SIALKOT	8
VI	JAMMU	PIND-DADUN KHAN	GUJRAT	9
VIa	<i>Gujrat</i>	<i>Pind-Dadun Khan</i>	<i>Phalian</i>	11
VII	JAMMU	JHELM	DAULAT NAGAR	11
VIII	JAMMU	JHELM	BHIMBER	13
VIIIa	<i>Bhimber</i>	<i>Rawul Pindi</i>	<i>Mirpur</i>	14
IX	JAMMU	RAWUL PINDI	KOTLI	16
IXa	<i>Kotli</i>	<i>Abbottabad</i>	<i>Murree</i>	18
X	JAMMU	CHILGIT	KOTLI AND KISHEN- GUNGA VALLEY.	20
Xa	<i>Mozufferabad</i>	<i>Karen</i>	.....	25
Xb	<i>Shardi</i>	<i>Guraïs</i>	<i>Across Hills</i>	26
Xc	<i>Khel</i>	<i>Guraïs</i>	<i>Kishengunga Valley...</i>	27
XI	JAMMU	POONCH	KOTLI	28
XII	JAMMU	SRINAGAR	PIR PUNJAL PASS	30
XIIa	<i>Rajaori</i>	<i>Poonch</i>	<i>Bhimber Gulli</i>	33
XIIb	<i>Rajaori</i>	<i>Shupiyon</i>	<i>Darhal Pass</i>	33
XIIc	<i>Baramyulla</i>	<i>Srinagar</i>	<i>Chhoti Gulli</i>	35
XIId	<i>Poshiana</i>	<i>Srinagar</i>	<i>Chittapani</i>	35
XIII	JAMMU	SRINAGAR	BUDIL PASS	36
XIIIa	<i>Nar</i>	<i>Shupiyon</i>	<i>Konsa Nag</i>	39
XIIIb	<i>Shupiyon</i>	<i>Baramulla</i>	....	40

LIST OF ROUTES IN JAMMU AND KASHMIR—(Continued.)

No.	FROM	TO	By	PAGE.
XIV	JAMMU	SRINAGAR	GULABGURH OR KURI PASS	41
XIVa	<i>Gulabgurh</i>	<i>Shupiyon</i>	<i>Dedam Pass</i> ...	44
XV	JAMMU	SRINAGAR	BANIHAI PASS ...	45
FIRSTLY			CHENAB VALLEY ...	45
SECONDLY			SINGIPAL PASS ...	47
THIRDLY			SARTARGURH PASS ...	48
XVa	<i>Udampur</i>	<i>Riassi</i>	.....	51
XVb	<i>Parand</i>	<i>Sad Muhadeo</i>	<i>Chineni</i> ...	52
XVc	<i>Nachilana</i>	<i>Shupiyon</i>	<i>Mohun Pass</i> ...	52
XVd	<i>Verinag</i>	<i>Inshin</i>	<i>Margan Pass</i> ...	53
XVe	<i>Islamabad or Anant Nag.</i>	<i>Amaranath</i>	<i>Lidar Valley</i> ...	54
XVI	JAMMU	SKARDU	KISHTWAR & SURU ...	56
XVIa	<i>Petgam</i>	<i>Suru</i>	<i>Chiloong Pass</i> ...	61
XVII	JAMMU	LEH	BUDRAWAR & ZANSKAR	63
XVIIa	<i>Ating</i>	<i>Yelchung</i>	<i>Zanskar river left bank</i>	68
XVIII	JAMMU	HANLE	CHAMBA ...	69
XVIIIa	<i>Tandi</i>	<i>Hanle</i>	<i>Spiti</i> ...	74
XIX	JAMMU	HARDWAR	SIMLA AND LANDOUR...	77
XIXa	<i>Jammu</i>	<i>Puthankot</i>	.....	82
XX	JAMMU	LUDHIANA	GURDASPUR & HOSHIARPUR.	83
XXI	POONCH	JAMMU	RAJAORI ...	87
XXIa	<i>Poonch</i>	<i>Rajaori</i>	<i>Bhimber Gulli</i> ...	88
XXII	POONCH	GUJRAT	RAJAORI ...	90
XXIII	POONCH	LALA MUSA	KOTLI ...	92
XXIV	POONCH	JHELM	KOTLI AND MIRPUR ...	94
XXV	POONCH	JHELM	SENSAR & TANGROT ...	95
XXVI	POONCH	RAWUL PINDI	LUCHMUN BATEA ...	97
XXVII	POONCH	ABBOTTABAD	MURREE ...	99

LIST OF ROUTES IN JAMMU AND KASHMIR—(Continued.)

No.	FROM	To	By	PAGE
XXVIII	POONCH	... MOZUFFERABAD ...	KOHALA ...	101
XXIX	POONCH	... HATIAN OR CHAKOTI ...	BAGH ...	103
XXX	POONCH	... SRINAGAR ...	Haji Pir Pass ...	105
XXXI	POONCH	... BARAMULLA ...	PAJJA PASS ...	107
XXXI ^a	<i>Poonch</i>	... <i>Baramulla</i> ...	<i>Gajan Pass</i> ...	108
XXXII	POONCH	... GULMARG ...	NILKANTA PASS ...	110
XXXIII	POONCH	... SRINAGAR ...	FIROZEPUR PASS ...	111
XXXIII ^a	<i>Gagri</i>	... <i>Srinagar</i> ...	<i>Zamir Pass</i> ...	113
XXXIV	POONCH	... SRINAGAR ...	TOSHAMAIDAN PASS ...	113
XXXIV ^a	<i>Mandi</i>	... <i>Srinagar</i> ...	<i>Nurpur and Sangsofed Passes.</i>	115
XXXV	POONCH	... ISLAMABAD OR ANANT NAG.	PIR PUNJAL PASS ...	116
XXXV ^a	<i>Baramgulla</i>	... <i>Srinagar</i> ...	<i>Chhoti Gulli Pass</i>	118
XXXVI	SRINAGAR	... JAMMU ...	See ROUTES XII, XIII, XIV & XV.	120
XXXVII	SRINAGAR	... SIALKOT ...	BUDIL PASS ...	120
XXXVIII	SRINAGAR	... GUJRAT ...	PIR PUNJAL ...	123
XXXIX	SRINAGAR	... POONCH ...	See ROUTES XXX, XXXI, XXXIII, XXXIV & XXXV ^a	127
XL	SRINAGAR	... RAMPUR ...	GULMARG ...	127
XL ^a	<i>Srinagar</i>	... <i>Gulmarg</i> ...	<i>Patun</i> ...	128
XL ^b	<i>Srinagar</i>	... <i>Gulmarg</i> ...	<i>Polhallan</i> ...	129
XL ^c	<i>Srinagar</i>	... <i>Gulmarg</i> ...	<i>Sopur</i> ...	130
XLI	SRINAGAR	... JHELUM ...	JHELUM VALLEY ...	131
XLII	SRINAGAR	... RAWUL PINDI ...	MURREE ...	135
XLII ^a	<i>Hatian</i>	... <i>Kohala</i> ...	<i>Old Road</i> ...	139
XLIII	SRINAGAR	... KALA KE SERAI OR HASSAN ABDAL	AEBOTTABAD ...	140
XLIII ^a	<i>Baramulla</i>	... <i>Mozufferabad</i> ...	<i>Tutmari Gulli</i> ...	143
XLIII ^b	<i>Mansera</i>	... <i>Oghi</i> ...	... ..	145

LIST OF ROUTES IN JAMMU AND KASHMIR—(Continued.)

No.	FROM	TO	BY	PAGE.
XLIIIc	Abbottabad	Tundiani	.....	146
XLIIId	Haripur	Derbund	.....	147
XLIV	SRINAGAR	MOZUFFERABAD	NESCHAU GULLI	147
XLIVa	Shalura	Khagan Valley	Karen	149
XLV	SRINAGAR	KHAGAN VALLEY	DRAWAR	151
XLVI	SRINAGAR	CHILAS	KAMAKDURI PASS	153
XLVIa	Srinagar	Lolabara	Nagmarg	155
XLVII	SRINAGAR	ASTOR	LOLAB AND SHONTAR PASS.	156
XLVIII	SRINAGAR	GILGIT	BURZIL DORIKUN PASS	159
XLVIIIa	Kansilwan	Astor	Gupai Pass	163
XLVIIIb	Gurais	Astor	Kumri Burji Pass	165
XLVIIIc	Gurais	Dras	Tilail Valley	166
XLVIId	Godhai	Skardu	Alampi La	168
XLVIIIe	Astor	Rondu	Trongo Pir	169
XLIX	SRINAGAR	SKARDU	GURAI AND DEOSAI PLAIN.	170
XLIXa	Skardu	Mustagh Pass	.....	173
L	SRINAGAR	SKARDU	DRAS	175
La	Sind Valley	Tilail Valley	Gungabul Nag	179
Lb	Sonamarg	Tilail Valley	.....	181
Lc	Dras	Gurais	Shingo Valley	183
Ld	Kargil	Astor	Deosai Plains	185
Le	Karkitchu	Parkutu	Khoraborigo La	186
LI	SRINAGAR	LEH	DRAS	188
LIIa	Sind Valley	Lidar Valley	Jajimarg	191
LIIb	Baltal	Amaranath	See note on Route XVe	193
LIIc	Dras	Zanskar	Suru	193
LII	SRINAGAR	LEH	SURU	196

SHOWING ROUTES OVER PASSES BETWEEN—
 JHELUM AND WURDWAN VALLEYS
 WURDWAN AND SURU VALLEYS
 SURU AND INDUS VALLEYS

ERRATA.

<i>Page.</i>	<i>for</i>	<i>read</i>
87 }	Poonch State	.. Poonch territory (<i>ilaka</i>).
116 }		
329 }	Gialpoor	... Gyalpo or.
361 }		
371	<i>after</i> in length	.. 343 miles.
379	Hosiharpur	... Hoshiarpur.
..	roads	... road.
..	distance.	... distances.
380	Kirshetwar	... Kishtwar.
..	Kangua	.. Kangra.
..	<i>omit</i> from	...
..	Hunsa	... Hunza.
..	Sarikal	... Sarikol.
..	for Kela $\frac{1}{4}$	... Forbela to.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. & f.	TOTAL m. f.						
I JAMMU to AMRITSAR by PAKOI OORF, DEHRA BABA NANUK —									
1	Jammu P. O., T. O., D. B., C.	...	0 ... 1 4 6 ...	Country undulating, rough cart-road.	Across Tawi drainage. .....	..... Tawi bridge. Balal ford.	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of the Jammu State. Tawi Station on Branch Railway. Village.
2	Bishenath	11 ...	11 ... 15 ...	Country flat, rough cart-road.	..... ..... Across Ravi drainage.	..... ..... Aik ford. Degh ford.	..... ..... .....	S. G. F. and W. procurable, T. nil. Ditto	Ditto.
3	Saidgurb	11 ...	22 ... 26 ...	..... Track across flat country.	..... .....	..... .....	.....	S. G. F. procurable, W. plentiful, T. available.	Large village.
4	Zufurwal P. O.—	8 4	30 4	Country low and subject to inundation during rains, nullahs then difficult.	..... .....	..... .....	.....	Ditto	Ditto.
5	Dhamtal D. B., B. good.—	6 ...	36 4	.....	.....	.....	.....	S. after notice, T. ni	.....
	Dodi	14 4	51 ... 55 ...	..... Road very heavy near river.	..... .....	..... Ravi ferry.	.....	.....	.....

6	Pakoi or Dehra Nanuk <i>P. O., E. nil.—</i>	6	57	...	Road sandy	.....	.....	.....	S. G. F. and W. abundant, T. available.	Large town.
7	Fategarh <i>P. O., E. nil.—</i>	12	69	...	Road good	.....	Kiran bridged	.....	S, G. F. and W. plentiful, T. available.	Town.
8	Amritsar <i>P.O., T.O., Hotel, E.—</i>	15	84	...	.....	.....	.....	.....	S. G. F. and W. abundant, T. ample.	City and junction station on N.-W. Railway.

12 PAKOI OORF, DEHRA BABA NANUK to JALANDHAR by BATALA—

6	Pakoi or Dehra Nanuk <i>P. O., E. nil.—</i>	...	57	...	Country level but low and subject to inundation during rains, road rather heavy.	Across Ravi drainage.	.....	.....	S. G. F. and W. abundant, T. available.	Large town.
7	Batala <i>P. O., T. O., D. B., E. good.—</i>	20	77	...	.....	.....	Baree Doab canal bridged.	.....	Ditto	Large town and Station on Branch Railway.
8	Melhtah	10	87	6	.....	Across Beas drainage.	Kussoor branch canal bridged.	.....	S. after notice, T. nil.	Village.
	Wazirghat	...	92	...	.....	.....	Sobraon branch canal bridged.	.....	.....	East bank Beas Station on N.-W. Railway.
9	Girana <i>E. good.—</i>	15	103	2	Grand Trunk Road	.....	Beas bridge of boats and ferry in rains.	.....	S after notice, T. procurable.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
1a	ROUTE—contd.	15	4 103 2	.....	Across Beas drainage.	Veyn bridged.	.....	S. G. F. and W. plentiful, T. available	Railway Station on N.-W. main line.
	Hamira	...	108 ...	.....				
10	Kartarpur P. O., T. O., E. good.	8	4 111 6	.....	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station and City, also two Railway Stations on N.-W. main line.
11	Jalandhar P. O., T. O., D. B., C., E. good.—	13	... 124 6	.....	.....	.....	.....

From Hamira, 108 miles on G. T. Road, there is a cart-road 8 miles in length to Kapurthala.

From Kartarpur, 111 m. 6 f. on G. T. Road, there is a metalled road, 9 miles long to Kapurthala, the capital of the Kapurthala State—crossing the N.-W. Railway at the end of the first mile.

II JAMMU TO AMRITSAR by SIALKOT—

Jammu P. O., T. O., D. B. C.	...	...	0 ...	Metalled road	Across Chenab drainage. ....	..... Tawi bridge. Balal ford.	1200	S. G. F. and W. abundant, T. ample	Large town and capital of Jammu State, Tawi Station on branch railway.
	...	...	1 4						
			6 ...	.....	.....		

		14	...	14	...	14	...	898	S. and W. scarce, T. nil.	Railway Station on branch line.
1	Runbir Singhpur <i>P. O., T. O.—</i>	14	...	14	...	...	...	898	S. and W. scarce, T. nil.	Railway Station on branch line.
2	Sialkot <i>P. O., T. O., D. B., C., E. good.—</i>	13	...	27 29	...	Country level, open and cultivated, rough cart-road, nullahs difficult during rains.	...	829	S. G. F. and W. plentiful, T. ample. .	Ditto, Large Cantonment, Civil Station and City.
3	Bhuddeeana <i>E. good.—</i>	11	...	38	...	...	...	.....	S. after notice, W. plentiful, T. nil.	Village.
4	Pasrur <i>E. good.—</i>	8	4	46 55	4	...	Across Ravi drainage. .....	.....	Ditto	Village, pass Nawadi 1½ miles, Murdana 6½ miles.
5	Dodha or Thaleh <i>E. good.—</i>	13	...	59	4	Country flooded during rains, road fair.	.....	.....	Ditto	Village.
6	Reyah <i>B., E. good.—</i>	8	...	67	4	.....	.....	.....	Ditto	Village, pass Amkra, 4½ miles, Thurpal 7 miles.
7	Ajnala <i>E. good.—</i>	9 ...	6 ...	72 77 75	2 6	Country open, level, cultivated, nullahs bridged, road fair, through low ground.	..... ..... .....	.....	S. after notice, W. from wells, T. nil.	Ditto.
8	Raja Sansee	8	4	85	6	.....	.....	.....	S. must be collected, W. plentiful, T. nil.	Ditto.
9	Amritsar <i>P. O., T. O., Hotel, C., E.</i>	7	4	93	2	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Small Cantonment, Civil Station and City, also Junction Station on N.-W. Railway.

Branch Railway hence *via* Batala 24 miles, Gurdaspur 44 miles, to Pathankot 67 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE.	TOTAL.						
		m.	f.						
III JAMMU to LAHORE and MIAN MIR by EMINABAD—									
1	Jammu <i>P. O., T. O., D. B., C.</i>	...	0 ...	Metalled road	Across Chenab drainage.	..... Tawi bridge. Balal ford.	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State, Railway Station on left bank Tawi river.
2	Runbir Singhpur <i>P. O., T. O.—</i>	14 ...	14 ...	.....	.....	.....	898	S. and W. scarce, T. nil.	Railway Station on branch line.
3	Sialkot <i>P. O., T. O., D. B., C., E. good.—</i>	13 ...	27 ...	Country level, open and well cultivat- ed, cart-road fair- ly good but very swampy in rains, nullahs bridged.	.....	..... Aik bridge.	829	S. G. F. and W. plentiful, T. ample.	Cantonment, Civil Station and Rail- way Station on branch line.
4	Bhalowala <i>E. good.—</i>	12 4	39 4	.....	.....	.....	...	S. after notice, W. plentiful, T. nil.	Village.
5	Dharmkot <i>E. good.—</i>	13 5	53 1	.....	.....	.....	.....	S. after notice, W. plentiful, T. nil.	Village, cross road to Gujranwala 11 miles.
6	Eminabad <i>P. O., D. B., E. good.</i>	13 2	66 3	.....	Across Ravi drainage.	.....	.....	S. after notice, W. from wells, T. available.	Small town.

6	Kamoke <i>P.O., T.O., E. good.—</i>	5 ..	71	3	Grand Trunk Road.	.....	.. ..	.....	Ditto, T. nil.	Village and Station on N.-W. Railway.
7	Muridki <i>P.O., T.O., E. good.—</i>	12 3	83	6	.....	.....	.. ..	.....	Ditto	Ditto.
8	Shahdera <i>P.O., T.O., E. good.—</i>	13 ..	96 97	6 6	.....	.....	.....	.....	Ditto	Ditto.
9	Lahore <i>P.O., T.O., Hotels, C.</i>	2 5	99 102	3 3	.....	.....	Ravi railway bridge and ferry.	.....	S. G. F. and W. abundant, T. ample.	Capital of Punjab, Civil Station, large city, and ditto.
10	Mian Mir <i>P.O., T.O., D. B., C., E. good.—</i>	6 ..	105	3	.....	.....	Canal bridge	.....	Ditto	Large Military Cantonment and ditto.

IV JAMMU TO GUJRANWALA by SIALKOT—

	Jammu <i>P.O., T.O., D. B., C.</i>	..	0	...	Metalled road	Across Chenab drainage.	.....	.....	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State, Railway Station on left bank Tawi river.
1	Ranbir Singhpur <i>P.O., T.O.—</i>	14 ..	14	...	.....	.....	Tawi bridge. Balal ford.	.....	S. and W. scarce, T. nil.	Railway Station on branch line.
2	Sialkot <i>P.O., T.O., D. B., C., E. good.—</i>	13 ..	27	...	Country level, open, well cultivated, road raised and fairly good.	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Cantonment. Civil Station, City and ditto.
3	Ghuenki <i>E. good.—</i>	9 4	31 36	4 4	.....	.....	Aik bridge.	.....	S. after notice, W. from wells, T. nil.	Small village.

NUMBER OF MARCHES	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	m.	f.						
IV	<i>ROUTE—contd.</i>	9	4	36	4	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Village.
4	Duska <i>E. tolerable.—</i>	9	4	46	...	Road heavy after much rain.	.....	.....	S. G. F. and W. abundant, T. ample.	Small Civil Station and town on the G. T. Road, also Station N.-W. Ry.
5	Gujranwala <i>P. O., T. O., D. B., E. good.—</i>	16	2	62	2	.....	.....	.....

V JAMMU to WUZIRABAD by SIALKOT—

NUMBER OF MARCHES	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	m.	f.						
	Jammu <i>P. O., T. O., D. B., C.</i>	...	...	0	...	Down Chenab drainage.	.....	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State, Railway Station left bank Tawi river.
1	Runbir Singhpur <i>P. O., T. O.—</i>	14	...	14	...	.....	.....	898	S. and W. scarce, T. nil.	Railway Station on branch line.
2	Sialkot <i>P. O., T. O., D. B., C., E. good.—</i>	13	...	27	...	.....	.....	829	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station and City also Station on branch line.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL m. f.						
VI	ROUTE—contd.	12	53 3	.....	Across Chenab drainage.	.....	.....	S. after notice, T. nil.	Village.
6	Dulanwala	10	63 3	.....	.....	.....	.....	S. G. F. and W. plentiful, T. ample.	Small town and bazar, also Station on branch line.
7	Dinguh P. O., T. O., D. B.—	12	76 ..	.....	Across Jhelum drainage.	.....	.....	S. G. F. after notice, W. procurable, T. nil.	Village.
8	Moong	13	89 ..	Rough cart road ..	.....	.....	.....	Ditto ..	Ditto.
9	Majee	9	98 ..	.....	.....	.....	.....	Ditto ..	Ditto, and Station on branch line.
10	Malukwal P. O., T. O.—	10	108 ..	.....	.....	.....	693	Ditto ..	Town near Salt Mines with large trade, Station on branch line.
11	Miani B—	9	117 ..	.....	.....	Jhelum bridge of boats and ferry.	731	S. G. F. and W. plentiful, T. available	
12	Pind-Dadun Khan P. O., T. O., D. B., C, E.	7	124 5	.....	.....	.....	.....	.....

From Jammu, branch rail to Wuzirabad 51 miles, N.-W. main line to Lala Musa 20 miles, branch rail to Pind-Dadun Khan 57 miles. Total by railway 198 miles—crossing Jhelum river by Nizam-chuk bridge.

From Muhutah 8 miles to Julialpur and 9 miles to Gujrat. Total 17 miles good road. Muhutah and Nowshera on right bank of Chenab have been washed away by recent high floods.

The Rock Salt Mines at Khewra are 9 miles distant by road from Pind-Dadun Khan. There is also a branch line from Malukwal over the Jhelum railway bridge at Chuk Nizam to Harampur 6 miles, and thence to Pind-Dadun Khan 6 miles, also another branch from Harampur to Khewra, 9 miles.

VI. GUJRAT to PIND-DADUN KHAN by PHALIAN—

5	Gujrat <i>P. O., T. O., D. B., C., E. on G. T. road.— Koongah</i>	...	...	53	3	Fair road	...	Down Chenab drainage.	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Small Civil Station, City and Railway station on N.W. main line.
6	Mughowal <i>E.—</i>	...	12	5	66	Rough cart road...	.....	.....	.....	.....	.....	S. after notice, W. plentiful, T. nil. Ditto.	Village.
7	Pariwala <i>E.—</i>	...	9	...	75	.....	.....	.....	.....	.....	.....	Ditto.	Ditto.
8	Phalian <i>P. O., B., E.—</i>	...	13	4	88	Good cart road	...	.....	.....	.....	.....	S. G. F. and W. plentiful, T. available. S. after notice, W. plentiful, T. nil.	Large village.
9	Kothiala Shekhan <i>E.—</i>	11	4	100	.....	.....	.....	Across Jhelum drainage.	.....	.....	.....	S. G. F. W. T. plentiful.	Village.
10	Miani <i>B.—</i>	20	...	120	...	.....	.....	.....	.....	.....	.....	S. G. F. W. T. plentiful.	Ditto.
11	Pind-Dadun Khan <i>P. O., T. O., D. B., C., E.—</i>	7	5	127	5	.....	.....	.....	Jhelum boat bridge and ferry.	731	.....	S. G. F. and W. plentiful, T. available.	Town near Salt Mines with large trade, Station on Branch Railway.

VII JAMMU to JHELUM by DAULAT NAGAR—

	Jammu <i>P. O., T. O., D. B., C.</i>	...	...	0	...	Country open and cultivated, rough track over low ground, on right bank Chenab river.	Across Chenab drainage.	.....	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State.
1	Gujansu <i>...</i>	11	...	11	...	.....	.....	.....	.....	S. must be collected, G. and W. plentiful, T. nil.	Village on left bank Chenab river.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.	m. f.						
VII	<i>ROUTE—contd.</i>	11	...	11	...	Across Chenab drainage.	Chenab ferry and 5 offshoots	.....	S. scarce, G. and W. plentiful, T. nil.	Village on right bank Chenab offshoot.
2	Amirpur	12	...	23	...	.....	Tawi ford.	.....	S. procurable, G. and W. plentiful, T. available.	Small town.
3	Minawur <i>P. O., B., E.—</i>	7	...	30	...	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Large village.
	<i>Mutianwala</i>	...	...	32	...	Fair road from mile 32.	.....	.....	S. G. F. and W. procurable, T. nil.	Ditto.
4	Kureeanwala <i>P. O., E. good.—</i>	10	...	40	...	.....	.....	1029	S. G. F. and W. plentiful, T. available.	Large village and Station on N.-W. Railway.
5	Daulatnagar <i>P. O., D. B.—</i>	12	4	52	4	Good road, but very sandy in crossing river beds.	Bhimber ford.	.....	S. G. F. and W. procurable, T. nil.	Ditto.
6	Kharian Serai ... <i>P. O., T. O., D. B., C., E. good.—</i>	14	4	67	...	Join the Grand Trunk Road.	.....	.....	S. G. F. and W. plentiful, T. available.	Large village and Station on N.-W. Railway.
				70	...	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Large village and Station on N.-W. Railway.
7	Alungir Serai ... <i>P. O., T. O., E. good.</i>	9	4	76	4	Kharian Pass over Fabbri range.	.....	.....	Ditto	Naurangabad village and Karyala Station on N.-W. Ry.
				78	4	Across Jhelum drainage.	Jhelum railway bridge.	.....	Ditto	Naurangabad village and Karyala Station on N.-W. Ry.

8	Jhelum <i>P. O., T. O., D. B., C. E. good.—</i>	4	4	81	Ditto	827	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station and City, also Railway Station on N.-W. main line.
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VIII JAMMU to JHELUM by BHIMBER —

	Jammu <i>P. O., T. O., D. B. C.</i>	0	Country open and well cultivated.	Across Chenab drainage.	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of the Jammu State.
1	Aknoor <i>P. O., F. B.—</i>	16	...	16	Rough cart track, very sandy at river crossings.	.....	.....	Chenab ferry	1142	S. G. F. and W. plentiful, T. available.	Small town, bazar and fort on right bank Chenab.
2	Amirpur <i>E.—</i>	16	...	32	.....	.....	.....	.....	.....	S. scarce, G. and W. plentiful, T. nil.	Village.
3	Minawar <i>P. O., E.—</i>	7	...	39	.....	.....	.....	.....	.....	S. procurable, G. and W. plentiful, T. available.	Small town and tehsil.
4	Barnali <i>E.—</i>	13	...	52	.....	Across Bhim- ber drainage.	.....	.....	.....	S. scarce, G. and W. plentiful, T. nil.	Village.
5	Bringh <i>E.—</i>	12	...	64	.....	.....	.....	.....	.....	S. scarce, G. and W. plentiful, T. nil.	Ditto.
				68	.....	.....	.....	Bhimber ford			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
VIII	ROUTE—contd.	...	68 ...						
6	Bhimber P. O., B., E.— Chancee Gotreela	...	69 ...	Country track ...	Across Bhim- ber drainage	.....	1100	S. G. F. and W. plentiful, T. available	Small Town, head- quarters of dis- trict.
7	Besuh Khoord Naurangabad	...	85 ...	.....	Across Jhelum drainage.	.....	.....	S. scarce, G. and W. plentiful, T. nil.	Village.
8	Jhelum P. O., T. O., D. B., C., E. good.—	...	98 ...	Join Grand Trunk Road. .....	.....	.....	827	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station and City, also Railway Sta- tion on N.-W. main line.
VIII. BHIMBER to RAWUL PINDI by MIRPUR—									
6	Bhimber P. O., B., E.— Sukasht	...	69 ...	Country undulat- ing and much cut up by ravines. Track across drainage.	Across Bhim- ber drainage. Ditto	..... Branch of Sukatar.	1100	S. G. F. and W. plentiful, T. available.	Small Town and head-quarters of district.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
IX JAMMU to RAWUL PINDI by KOTLI—									
	Jammu P. O., T. O., D. B.—	...	0 ...	Country open and cultivated, rough cart road.	Across Chenab valley.	.....	1200	S. G. F. W. and T. ample.	Large town and capital of Jammu State
1	Aknoor P. O., F. B.—	16 ...	16 ...	.....	.....	Chenab ferry	1142	S. G. F. W. plentiful, T. available.	Small town and bazar on right bank Chenab.
2	Choki Chowra E.—	13 4	26 ... 4	Fair hill road used by troops in marching to Srinagar by Pir Punjal.	Ambi Pass.	Kurna Khad	2150	S. G. F. after notice, W. procurable, T. nil.	Halting place.
3	Thanda Pani B., E.—	12 4	34 ... 42 ...	.....	Kalidhar range.	Rud bridge and ford.	1460	S. scarce, W. plentiful, T. nil.	Village 1 mile distant.
4	Siot	10 ...	52 ...	Track across broken ground.	Up Tawi valley.	.....	.....	S. scarce, T. nil.	Village.
5	Naoshera P. O., B., C.—	12 ...	64 ...	Fair hill road fit for mules on a fine plain, well cultivated.	Makri range	Tawi ford ...	.....	S. G. F. W. plentiful, T. available.	Town and bazar 300ft. above right bank Tawi.
			77 ...			.....	3000		

6	Laroka	...	15	...	79	...	Down Ban valley	.....	.....	.....	S. scarce, T. nil.	Village.
7	Koireta	...	10	...	89	...	.....	.....	.....	2500	S. G. F. precarious, W. from wells, T. available.	Village.
	<i>Dhunna</i>	...	...	...	97	...	.....	.....	.....	.....	.....	Ditto.
8	Kotli <i>P. O., B., E.—</i>	...	16	...	105	...	Across Poonch valley.	Ban ford.	.....	2000	S. G. F. plentiful, W. from springs, T. available.	Town of 300 houses and bazar.
9	Sensar <i>E.—</i>	...	13	...	106 114 118	...	Rough stony track, difficult for mules.	Poonch Toi or Palasta ferry.	3158 2320	.....	S. G. F. W. T. procurable.	Baclion Pass. Village and thanna.
10	Salgraon	...	12	...	123 130	...	Steep ascent	Jhelum ferry	.....	.....	S. G. F. scarce, W. plentiful, T. nil.	Village.
11	Thoa <i>E.— Chinam</i>	...	12	...	142	...	Fair track across broken ground.	.....	.....	.....	S. G. F. W. procurable, T. available.	Village.
12	Rewat <i>P. O., T. O., B., E.—</i>	...	15	4	157	...	Grand Trunk Road.	.....	.....	2208	S. G. F. W. scarce, T. nil.	Village and Station on N. W. Ry.
13	Rawul Pindi <i>P. O., T. O., D. B., C., E.</i>	...	13	4	166 171	...	.....	Sohan bridge.	.....	1700	S. G. F. T. abundant. W. precarious.	Large Cantonment, Civil Station, City and Railway Sta- tion on N. W. main line. Water supply being added.

Between Naoshera and Koireta, there is an alternative track by Dooral Pass and down the Ban valley by Seri—*viz.*, Naoshera 64 miles, Dooral 74, Seri 83, Koireta 88 miles, Kotli 104 miles.

From Sensar there is an alternative track by Owen ferry and Kahoota to Rawul Pindi—*viz.*, Sensar 118 miles, Owen ferry over Jhelum River 136 miles, Kahoota 147 miles, Siala 160 miles, Rawul Pindi 171 miles.

From Sensar there is a track 10 miles long to Samor falling into the route from Bhimber by Palalan ferry to Rawul Pindi.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSING AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
8	Kotli <i>P.O., B., E. good—</i>	...	105 ...	Rough stony hill track, difficult for mules.	Across Poonch valley.	.....	2000	S. G. F. plentiful, W. from springs, T. available.	Town and tehsil, large bazar.
9	Sarsawa <i>E.—</i>	6 ...	111 ...	... ..	.....	Poonch T o i or Palasta ferry. ... ..	.....	S. G. F. after notice, W. procurable, T. nil.	Village.
10	Palandri <i>P. O., E.—</i>	16 ...	127 ...	... ..	.....	... ..	4250	Ditto, T. available.	Fort and tehsil.
11	Mangh <i>E.—</i>	11 ...	138 ...	... ..	Palandri ridge Up Jhelum valley.	Goon ford. .....	.....	Ditto, T. nil.	Village and fort.
12	Tain <i>E.—</i>	10 ...	148 ...	... ..	.....	.....	.....	Ditto "	Ditto.
	Dhara	...	152 ...	... ..	.....	Jhelum ferry.	.....	

IXa KOTLI to ABBOTTABAD by MURREE—

13	Dhanda E.—	..	11	...	159	...	Fair hill track, passable for mules.	....	....	....	Ditto	Ditto.
14	Murree P. O., T. O., Hotels C.	...	13	...	172	...	A cross hilly country, road fair for riding and mules.	Murree range	....	7108	S. G. F. W. plentiful, T. ample.	Summer Canton- ment, Sanitarium and large bazar.
15	Nagri B.—	...	13	2	185	2	....	Across Hurroo valley	Branch Hurroo ford.	....	S. G. F. after notice, W. plentiful, T. nil.	Village.
	Mari B.—	...	...	...	188	6	....	Mari ridge.	....	....	....	....
16	Sajkot	...	10	...	195	2	Nullahs easy	Across Dohr valley.	....	....	S. G. F. after notice, W. plentiful, T. nil.	Village.
17	Abbottabad P. O., T. O., D. B., C. E.—	...	16	4	211	6	....	....	Dohr ford.	4166	S. G. F. and W. plentiful, T. available.	Cantonment, Civil Station, town and bazar.

This is the lower road from Murree to Abbottabad. It leaves the main road from Murree towards Rawul Pindi at 4 miles 4 furlongs, descends by a steep zig-zag, crosses two branches of the Hurroo river with Gurini between and from Nagri Dhoondhan ascends easily in 3 miles 4 furlongs to Mari ridge, then descends and crosses the Hurroo river at 1 mile 4 furlongs beyond. From Sajkot it ascends a low ridge and descends down the Godawala nullah to the Dohr river, which it crosses between Rajoia and Haveliyan.

From the Mari bungalow there is a direct road along the top of mountain spur to Chunglagully, distant about 7 miles, and passable for mules.

From Sajkot, a road ascends the ridge to Kalabagh on the upper road, distant about 10 miles.

From Sajkot, a road runs past Nara Police Station, 3 miles, southwards to Hurripur, distant about 25 miles.

For the upper road from Murree to Abbottabad by the gullies, see Route XXVII.

View of
Jammu to Gilgit
by Kotli and Kishengunga Valley

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						

X JAMMU to GILGIT by KOTLI and KISHENGUNGA VALLEY—

1	Jammu P. O., T.O., D. B.—	...	0 ...	Country open and cultivated, rough cart-road.	Across Chenab valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Large Town and Capital of Jammu State.
	Aknoor P. O., F. B.—	16 ...	16 ...	Fair hill road used by troops in marching to Sri- nagar <i>via</i> Pir Punjal Pass.	..... Ambi range.	Chenab ferry	1142	S. G. F. and W. plentiful, T. available.	Small town and bazar on right bank of Chenab river.
2	Choki Chowra E.—	13 4	29 4	.....	.....	Kurna Khud	2150	S. G. F. after notice, W. procurable, T. nil.	
	Thandapani B., E.—	12 4	42 ...	.....	Kalidhar range.	Rud bridge and ford.	1460	S. scarce, W. plentiful, T. nil.	Village 1 mile off.
4	Siot	10 ...	52 ...	Track across broken ground.	Up Tawi valley.	.....	....	S. scarce, T. nil.	Village.
5	Naoshera P. O., B., C.—	12 ...	64 ...	Fair hill road fit for mules on a fine plain, well cultivated.	..... Makri range	Tawi ford	.....	S. G. F. and W. plentiful, T. available.	Town and bazar.
			77 ...			.....	3000		

Laroka	...	15	...	79	...	.....	Down Ban valley.	.....	.....	S. scarce, T. nil.	
Koireta	...	10	...	89	...	.....	.....	...	2500	S. precarious, W. from wells, T. available, W. scarce.	Village.
<i>Dhanna</i>	...	...	...	97	...	.....	.....	Ban ford.	.....	
Kotli <i>P. O., B., E.—</i>	...	16	...	105	...	Rough stony hill track, difficult for mules.	Across Poonch valley.	.....	2000	S. plentiful, W. from springs, T. available.	Village and town of 300 houses, bazar and tehsil.
Sarsawa <i>E.—</i>	...	6	...	111	...	.....	.....	Poonch T o i or Palasta ferry.	.....	S. after notice, W. procurable, T. nil.	Village.
Palandri <i>P. O., E.—</i>	...	16	...	127 128 133	...	.....	Palandri range .....	.....	4250	Ditto, T. available.	Fort and tehsil.
Mangh <i>E.—</i>	...	11	...	138	...	.....	Up Jhelum valley.	Goon ford.	.....	Ditto, T. nil.	Village and ort.
Tain <i>E.—</i>	...	10	...	148	...	...	.....	.....	.....	Ditto	Ditto.
Khodar	...	9	...	150 157	...	.....	.....	Mal or Bagh bridge. Jhelum ferry	.....	S. from Jhanjhana, W. from river, T. nil.	Jhanjhana village.
Kohala <i>P. O., D. B.—</i>	...	12	...	169	...	...	.....	.....	1915	S. G. F. and W. plentiful, T. after notice.	Small bazar, border of Kashmir.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE.	m.	f.						
X	ROUTE—contd.	...	...	...	Kashmir metalled and bridged road.	Up Jhelum valley.				
	<i>Baspala</i> <i>B.</i>—	...	...	...	....	....	Agar bridge	2029		
		...	...	2	....	....	....	2105	S. scarce, F. and W. plentiful, T. nil.	Village.
15	Dulai <i>D. B.</i> —	12	...	181	....	....		
		...	...	3	....	....		
16	Damul <i>P. O., T. O., D. B.,</i> <i>E.</i> — <i>Mosufferabad</i>	9	2	190	....	....	Jhelum bridge	2225	S. G. F. and W. procureable, T. after notice.	Village and bazar at junction of Kishengunga. Town on left bank
		...	...	192	....	Up Kishengunga valley left bank.	....	2470	.....	Kishengunga bazar, head-quar- ters of district.
17	Nuraseri	12	6	203	Hill track passable for laden mules, though difficult in parts, especi- ally for 6 miles at Titwal, 7 miles near Doarian, 13 miles between Shardi and Khel and 21 miles over the Shontar Pass.	....	....	2750	S. W. F. G. plentiful, T. nil.	Village.
18	Punjgram	7	4	210	....	....	....	2900	S. W. F. G. plentiful, T. available.	
19	Nowsada	9	...	219	....	....	....	3425	Ditto, T. nil.	
		...	...	225	....	....	Karna.			
20	Titwal <i>E.</i> —	6	4	226	....	....	....	3250	S. W. F. G. plentiful, T. available.	Village and tehsil.

21	Phalak	...	6	...	232	...	...	...	...	...	...	3550	S. W. G. F. plentiful, T. available.	Village.
22	Rampura	...	6	...	238	...	...	...	...	...	...	4050	Ditto, T. nil.	
	<i>Salkala</i>	...	...	...	242	4	...	...	Cross to right bank.	Kishengunga Jhula bridge.	...	4300	Ditto	Ditto.
23	Shahkot	...	6	...	244	...	...	...	...	Wooden bridge over Kishengunga.	...	4650	Ditto, T. available.	Ditto.
24	Karen	...	8	...	252	...	...	...	...	...	...	5050	Ditto	Ditto.
25	Doarian	...	7	...	259	...	...	...	...	...	...	5950	Ditto, T. nil.	Ditto.
26	Dudnial	...	7	...	266	...	...	...	...	...	...	5850	S. procurable, W. G. F. plentiful, T. available.	Village and fort.
27	Khari gam or Shardi. <i>E.—</i>	...	9	...	275	...	...	...	...	...	...	6000	No supplies, W. G. F. plentiful, T. nil.	
28	Seri	...	7	...	282	...	...	...	...	...	...	6250	S. scanty, ditto.	Village.
29	Khel <i>E.—</i>	...	8	...	290	...	...	...	Up Khel valley.	...	...	7300	S. nil, "	
30	Dumel <i>E.—</i>	...	8	...	298	...	...	...	...	...	...	10000	Ditto	Southern foot of Pass.
31	Bala <i>Chandballi</i>	...	8	...	306	...	...	...	Shontar Pass Down Mir Malik valley.	...	...	15000	Ditto	Northern foot of Pass.
		...	...	...	312	...	...	...	...	...	...	11700	Ditto	
32	Shingardodar	...	12	...	318	...	...	...	...	Dabin ford	...	10500		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
X	<i>ROUTE—contd.</i>	12	318						
33	Mir Malik <i>E.—</i>	8	326	.....	.....	.....	9400	S. procurable, W. G. F. plentiful, T. nil.	Small village.
	<i>Rattu</i>	...	333	.....	.....	.....	8500	.....	Village.
34	Chugaon <i>E. confined.—</i>	10	336	.....	Down Astor valley left bank.	.....	8750	S. and G. scanty, W. and E. procurable, T. nil.	Ditto.
35	Gurikot <i>E. confined.—</i>	10	347	Join new 10ft. road from Srinagar by Gurais and Astor to Gilgit, fully bridged and of easy gradients.	.....	Astor bridge	7800	Ditto	Ditto.
36	Astor (Idgah) <i>P.O., T.O., B., E. Polo ground.—</i>	7	354		.....	.....	7800	S. and G. procurable, W. and F. plentiful, T. moderate.	Village, fort and bazar, bungalow will be built.
	<i>Harcho</i>	...	363						
37	Dashkin <i>E. confined.—</i>	15	369	.....	.....	.....	.....	Ditto, T. available.	Village.
38	Doian <i>R. B., E.—</i>	11	380	.....	.....	.....	.....	Ditto, T. nil.	Ditto.
39	Ranghat	10	390	.....	.....	Astor bridge	.....	S. G. F. nil, W. plentiful, T. nil.	Guard House.

40	Bawanji <i>P. O., T. O., B., E.—</i>	...	7	4	398	.....	Up Indus valley left bank.	.....	.....	4635	S. and G. procurable, W. plentiful, F. scarce, T. available.	Village and bazar with fort.
41	Pertabpul <i>C., E.—</i>	...	7	...	405	.....	.....	.....	Indus bridge wire rope suspension.	...	S. G. F. nil, W. plentiful, T. nil.	
42	Safedpari	...	10	...	415	.....	Up Gilgit valley right bank.	.....	.....	.....	Ditto.	
43	Minawar	...	10	...	425	.....	.....	.....	.....	.....	Ditto.	
44	Gilgit <i>P. O., T. O., E.—</i>	...	9	..	434	.....	.....	.....	.....	4890	S. G. F. W. moderate, T. available.	Military Canton- ment, fort and bazar.

East of Shontar Pass there is another gully which has been partially explored and is said to be 13,500 feet high. There is snow along this route between Shardi and Astor 80 miles during the winter, and the Shontar gully is then impassable. This road is usually closed for half the year. There is plenty of grass and wood fuel from Jamnu to Astor, abundant water throughout and supplies are procurable. Through transport is necessary from Jamnu to Gilgit, with occasional aid from Naoshera, Kotli, Mozufferabad, and Astor.

From Doarian 260 miles, there is a road up the valley of same name which branches by 2 passes, Doarian and Rattigulli into the Khagan valley.

Xa PARALLEL ROUTE MOZUFFERABAD TO KAREN by RIGHT BANK KISHENGUNGA RIVER—

16	Mozufferabad <i>P. O., E.—</i>	...	...	...	192	Country undulat- ing, well cultivat- ed, fair road to Pala, hence diffi- cult for laden mules.	..... Up Kishengunga valley right bank.	.....	2470	S. W. G. F. plentiful, T. moderate.	Town and bazar, head-quarters of district. Large village.
17	Kowri <i>E.—</i>	...	8	..	200	.....	.....	.....	.....	Ditto	.....
18	Pala <i>E.—</i>	...	7	...	207	.....	.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA-LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
Xa	ROUTE—contd.	...	207 ...	.....	.....	.....	.....	S. scarce, W. G. F. plentiful, T. nil.	
19	Jaggian	12 ...	219 ...	.....	Sarango Pass				
20	Patian <i>E.—</i>	12 ..	231 ...	.....	.....	Jagran	...	Ditto, T. available.	Village.
21	Shahkot <i>E.—</i>	7 ...	238 ...	.....	.....	.....	4300	S. W. G. F. plentiful, T. nil.	Ditto.
22	Karen <i>E.—</i>	8 ...	246 ...	.....	.....	Kishengunga wooden bridge	4650	Ditto, T. available.	Ditto.

From Kowri 200 miles, there is a fair road for pack animals over the Galootia gully, 208 miles, to Balakot, 218 miles, in the Khagan valley.
From Patian 231 miles, there is a road up the Jagran valley eastwards which leads by 3 passes, Bidela, Shikara and Torgulli into the Khagan valley.

Xb SHARDI to GURAI ACROSS HILLS—

27	Shardi <i>E.—</i>	...	...	...	...	Kishengunga bridge.	5850 11000	S. procurable, W. G. F. plentiful, T. available.	Fort on left bank Kishengunga.
					Rough mountain path not passable for mules across four mountain spurs and intervening valleys.	Spur ridge			

28	Moktah Malik-ka-kothi. E.—	11	...	286	...	.....	.....	W. G. F. plentiful, T. nil.	In open forest about 1800 feet above Thien.
29	Camp	10	...	296	...	.....	Spur ridge	Ditto	Village at junction of Kretsinar and Zemindhar Khan nullahs.
30	Thien E.—	6	...	302	...	.....	.....	S. from Krora's, W. G. F. plentiful, few coolies.	Village.
31	Matsil E.—	13	...	315	...	.....	Spur ridge	S. scanty, W. G. F. plentiful, T. nil.	
	Dudi	...	...	324	...	.....	.....	.....
32	Geshart E.—	16	...	331	...	.....	Naosara ridge	S. nil, W. G. F. plentiful, T. nil.	
	Bakthaor	...	...	335	...	.....	.....	.....
33	Kansilwan E.—	7	...	342	...	Join new road Sri- nagar to Gurais.	Up Kishen- gunga valley.	Ditto.	
34	Gurais P. O., B., C., E.—	12	...	354	...	.....	.....	S. W. G. F. plentiful, T. moderate.	Large village, fort and telsil.

Xc KHEL to GURAIS UP KISHENGUNGA VALLEY—

29	Khel E.—	290	...	Rough hill path difficult for men and impassable for laden animals	Up Kishen- gunga valley.	S. scanty, W. G. F. plentiful, T. nil.	6250
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
Xc	<i>ROUTE—contd.</i>	...	290 ...						
30	Phulmai	13 ...	303 ...	.....	.....	Phulmai ford.	.....	W. G. F. plentiful, T. nil.	
	<i>Sirdari</i>	...	308 ...	Rough path pass- able for mules.	.....	.....	.....	.....	Village.
31	Thaobut <i>E.—</i>	10 ...	313 ...	.....	.....	.....	.....	S. scanty, W. G. F. plentiful, few coolies.	Ditto.
32	Kanzilwan <i>E.—</i>	10 ...	323 ...	New road from Srinagar to Gurais.	.....	.....	7400	S. nil, W. G. F. plentiful, T. nil.	Ditto.
33	Gurais <i>P. O., B., C. E.—</i>	12 ...	335 ...	.....	.....	.....	7800	S. W. G. F. plentiful, T. moderate.	Fort and tehsil.

A path ascends the Phulmai nulla over the Dobban Pir Pass 14,000 feet and descends down to Shingar Dodar about 22 miles in length.

XI JAMMU to POONCH by KOTLI—

Jammu <i>P. O., T. O., D. B.—</i>	0	Country open and cultivated, rough cart-road.	Across Chenab valley.	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State.
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1	Aknoor <i>P. O., F. B.—</i>	...	16	...	16	...	16	...	Fair hill road used by troops in marching from Jammu to Sri- nagar by Pir Punjal Pass. Ambi Pass. Kaldhar range. Up Tawi valley.	Chenab ferry	1142	S. G. F. and W. plentiful, T. available.	Small town and bazar on right bank of Chenab.
2	Choki Chowra <i>E.—</i>	...	13	4	26 29 34	...	26 29 34	...			Kurna Khud	2150	S. F. G. after notice, W. procurable, T. nil.	Halting place.
3	Thandapani <i>B., E.—</i>	...	12	4	42	...	42	...	.....		Rud bridge and ford.	1460	S. scarce, W. plentiful, T. nil.	Village 1 mile off.
4	Sirot	...	10	...	52	...	52	...	Track across braken ground.	.....	.....	.....	S. scarce, T. nil.	Village.
5	Naushera <i>P. O., B., E.—</i>	...	12	...	64	...	64	...	...	.....	Tawi ford	.....	S. G. F. and W. plentiful, T. available.	Town, bazar and tehsil.
6	Dooral <i>Seri</i>	...	11	...	75 84	...	75 84	...	Fair hill road fit for mules on a fine plain, well cultivated.	Dooral Pass Down Ban valley.	.....	.....	S. scarce, T. nil.	
7	Koireta	...	14	...	89	...	89	...		.....	.....	2500	S. precarious, W. from wells, T. available.	Village with ziarat and well.
8	Kotli <i>P. O., B., E.—</i>	...	16	...	100 105	...	100 105	...	Rough stony hill track, passable for mules, but difficult in places.	..... Up Poonch valley.	Ban ford.	2000	S. G. F. plentiful, W. from springs, T. available.	Town of 300 houses, bazar and tehsil.
	<i>Tai</i>	...	...	...	114	...	114	...	.....	.....	.....	2170	150° Fahr.	Hot springs from limestone rocks on right bank Poonch river, cross by boat. Large village.
9	Saira <i>B.—</i>	...	14	...	119	...	119	...	.....	.....	.....	3000	S. G. F. plentiful, W. from river distant, T. available.	
					122	...	122	...	.....	.....	Mehndur ford.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XI	<i>ROUTE—contd.</i>	...	122						
10	Poonch <i>P. O., D. B., C., E.</i>	16	135	.....	.....	Suran ferry	3300	S. G. F. and W. abundant, T. ample.	Capital of Poonch State, town, fort, large bazar.

From Kotli a track ascends the Dharan Range to the Nillidheri gully 4,200 feet and descends down to Mankot Fort across the Mendola or Mehndur river, about 16 miles in length. After going 3 miles down the latter to Sagra, it ascends the Haveli Range to Soona gully 4,500 feet, and descends into the Suran valley, and after crossing the latter river by a boat ferry reaches Poonch about 12 miles. Total distance 31 miles.

From Aknoor there is a road by Berk to the Sangarmarg iron mines which avoids the high ground thus : Jammu to Aknoor 16, Geralti 26, Serai 37, Berk 44, and Sangarmarg 50 miles passable for laden mules.

From Thandapani a road leads by Prat Telsil to the Melhugala coalfield thus : Thandapani 42, Prat 52, Melhugala 64, Kalakot 70 miles from Jammu. This Route XI was one of the three imperial roads of the Mogul period from the Punjab to Kashmir, and was the one selected for the passage of elephants. From Poonch it continued up the Bitarh valley over the Haji Pir Pass to Uri and thence up the Jhelum valley to Baramulla and Srinagar, for details of which see Route XXX. Though circuitous and of great length, it could be made suitable for a railway and the cultivated Doon country between Aknoor and Kotli would yield traffic.

XII JAMMU TO SRINAGAR, by PIR PUNJAL PASS: OLD IMPERIAL ROUTE—

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
	Jammu <i>P. O., T. O., D. B.—</i>	...	0	Country open and cultivated, rough cart road.	Across Chenab valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of the Jammu State.
		16	16	Fair hill road used by troops and passable for laden mules.	... ..	Chenab ferry.	1142	S. G. F. and W. plentiful, T. available.	Fort, timber depôt, small town and bazar on right bank Chenab river.
1	Aknoor <i>P. O., F. B.—</i>		26		Ambi Pass.				

2	Chokti Chowra E.—	13	4	29	4	.....	.....	Kalidhar range. Up Tawi valley.	Kurna Khud	2150	S. G. F. after notice, W. procurable, T. nil.	Halting place.
3	Thandapani B., E.—	12	4	34	...	.....	.....	Up Tawi valley.	Rud bridge and ford.	1460	S. scarce, W. plentiful, T. nil.	Village 1 mile off.
4	Dhumsal E.—	10	...	52	...	.....	.....	Cross low spur.	.....	.....	S. procurable, W. plentiful, T. nil.	Village.
5	Sialsui E.—	10	...	62	...	.....	.....	Cross steep range.	.....	.....	S. scarce, W. plentiful, T. nil.	Ditto.
6	Rajaori (Rampur) F. O., B., C.—	14	...	76	...	.....	.....	.....	Tawi ford bridge unfinished.	3094	S. G. F. and W. plentiful, T. ample.	Town and bazar well built on right bank Tawi. Bon left bank opposite.
7	Thana Mandi B., C., E. small.—	14	...	90	...	.....	.....	.....	.....	8500	S. G. F. and W. plentiful, T. available.	Village, Bon right bank Tawi. Shelter huts on Pass.
8	Barangalla B., C.—	10	4	100	4	.....	.....	Ratan Pir	Purnai bridge waterfall.	5800	S. scarce, G. F. W. plentiful, T. nil.	Small village and fort in deep gorge near confluence of Purnai nullah and Suran river.
9	Poshiana B., C., E. on house tops.—	8	4	109	...	.....	.....	Up Suran valley.	Cross Suran river by numerous bridges.	8150	S. and W. scarce, G. and F. plentiful, T. nil.	Village deserted in winter months.
10	Aliabad Serai B., C.—	11	...	115	...	.....	.....	Pir Punjal	.....	11400	.....	Shelter huts on pass.
	Dubchi B.—	...	...	120	...	.....	.....	Down Rembiara valley.	.....	10000	S. nil, G. F. W. plentiful, T. nil.	Halting place.
		...	...	128	...	.....	.....	.....	Rupri bridge.			
				129		.....	.....	.....	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
XII.	<i>ROUTE—contd.</i>	...	129 ...	...	...	...	7700	S. procurable, G. F. W. plentiful, T. nil.	Small village on right bank Rem- biara.
11	Hirpura <i>E., C.—</i>	12 ...	132 ...	...	...	...	6714	S. G. F. W. abundant, T. ample	Town, bazar, tehsil, and head-quarters of district.
12	Shupiyon <i>P. O., B., C., E.—</i>	8 ...	140 ...	Good road in the Kashmir valley with bridges over small nullahs.	Down Jhelum valley.	Rembiara ford Mankund ford Ramchu ford.	...	S. and W. procurable, T. available.	Large village on Ramchu river.
13	Khanpur <i>C.—</i>	16 ...	156 ...	...	...	...	...	S. nil, G. F. and W. procurable, T. nil.	Village.
14	Srinagar <i>P. O., T. O., C. E.—</i>	13 ...	162 ... 169 ...	...	...	Jhelum bridge	5235	S. G. F. W. abundant, T. ample.	Large village. Capital of Kashmir State, large city, Hari Parbat Fort, Maharajah's Pala- ces, Residency, several bazars on both banks of Jhelum river.

There is no dak bungalow for travellers at Srinagar, but there are a few quarters for residence of visitors, for occupation of which early application in the season to the Assistant Resident in Kashmir at Srinagar should be made.

The Pir Panjal Pass is usually closed by snow from the 15th November to 15th April.

XII. RAJAORI to POONCH by BHIMBER GULLI—

6	Rajaori (Rampur) P. O., B., C., E.—	...	...	76	Fair hill road, passable for mules.	Tawi valley	.....	3094	S. G. F. and W. plentiful, T. ample.	Town and bazar well built.
7	Derian E.—	14	...	90 92	.....	Bhimber gully. Down	.....	5170	S. scarce, G. F. W. plentiful, T. nil.	Village.
8	Dharnal	...	...	100	.....	Mehndur valley.	Mehndur ford	3000	.....	Tehsil.
	Mankot E.—	16	...	106	.....	.....	.....	.....	S. and W. plentiful, T. available.	Fort and village.
	Sagra	...	...	109	.....	.....	.....	.....	S. scarce, W. plentiful, T. nil.	
9	Ban E.—	11	...	117	.....	Poonch valley	.....	.....
10	Poonch P. O., D. B., C., E.—	11	...	128	.....	.....	Suran ferry.	3300	S. G. F. and W. abundant, T. ample.	Capital of Poonch State, fort, town, large bazar.

From Sagra 109 miles a road ascends either to the Soona gulli or to the Chilasi gulli and descends down to the Suran valley, and across this river by boat ferry to Poonch 121 miles.

XIII. ALTERNATIVE ROUTE RAJAORI to SHUPIYON by DARHAL PASS—

6	Rajaori (Rampur) P. O., B., C., E.—	76	Fair hill road passable for laden mules.	Tawi valley	3094	S. G. F. and W. plentiful, T. ample.	Town and bazar well built.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
XIII	<i>ROUTE—contd.</i>	...	76 ...	.....	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Large village.
7	Darhal E.—	12 ...	88 ...	.....	Ratan Pir range.	.....	.....	S. nil, F. procurable, G. and W. plentiful, T. nil.	Shepherds' huts.
8	Beloh E.—	7 ...	95 ...	Pass not open before June.	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Halting place.
9	Aliabad Serai E, C.—	12 ...	107 ...	... ..	Darhal Pass	Nil Sar, L. Nundun Sar, L.	13080	S. procurable, G. F. W. plentiful, T. nil.	Small village.
10	Hirpura E, C.—	12 ...	119 ...	.....	Jhelum valley.	Rupri bridge.	10000	S. procurable, G. F. W. plentiful, T. nil.	Town, bazar, tehsil and head-quarters of district.
11	Shupiyon P. O., B, C, E.—	8 ...	127 ...	.....	.....	.....	6715	S. G. F. and W. abundant, T. ample.	

Loop route from Beloh 95 miles crosses another Darhal Pass 13,460 feet, more to the South-East, and descends by the Bhag Sar or Lake to Roopro 103 and Aliabad Serai 112 miles.

These two Darhal Passes are seldom open before June, and close in November on the first fall of snow.

XII. BARAMGALLA to SRINAGAR by CHHOTI GULLI PASS—

8	Baramgalla C.—	...	...	100	4	Fair hill road pas- sable for laden mules, though not open before July.	Across Suran valley.	Suran ford	5800	S. scarce, G. F. W. plentiful, T. moderate.	Small village.
9	Hilloh	...	10	111	...	Easy ascent and descent	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Good grazing ground. Two roads from Pass.
10	Kachgal River	...	12	...	123	.....	Chhoti gulli	.....	14090	Ditto.	
11	Pakapura Char	...	11	...	134	.....	Down Kachgal valley.	.....	.....	S. procurable, G. F. W. plentiful, T. available.	Village. Town and bazar.
12	Khanpur C.—	...	10	...	139	Good road along well cultivated plain.	Down Jhelum valley.	.....	6400	S. nil, F. and W. procurable, T. nil.	
13	Srinagar P. O., T. O., C., E.—	...	13	...	144	.....	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Capital of Kash- mir State, town, fort, and bazar.

From Chhota gulli 115 miles another road leads down the Sangsofed valley to Fras Nag 125 miles, Dragson 141 miles, and to Srinagar 156 miles also passable for laden animals. The Chhoti gulli Pass is not open before July.

XIII. POSHIANA to SRINAGAR by CHITTAPANI PASS—

9	Poshiana B., C., E. on house tops.—	109	...	Rough hill track not open before July.	Up Chitta valley.	Suran ford	8150	S. and W. scarce, G. and F. plentiful, T. nil.	Village deserted in winter.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
XII	<i>ROUTE—contd.</i>	...	109 ...	.....	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Halting place.
10	Chittapani	6 ...	115 ...	.....	.....	.....	14540	S. scarce, G. F. W. plentiful, T. nil.	Village.
11	Sangurwini	12 ...	127 ...	.....	Chittapani Down Kachgal valley.	.....	.....	S. procurable, G. F. W. plentiful, T. available.	Ditto.
12	Pakapura	12 ...	139 ...	.....	.....	.....	6400	.....	Town and bazar.
.	Chrar	...	144 ...	Good road over well cultivated plain.	Down Jhelum valley.	.....	.....	S. nil, F. and W. procurable, T. nil.	
13	Khanpur C—	10 ...	149 ...	.....	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Capital of Kash- mir State, large town, fort and bazar.
14	Srinagar P. O., C., E.—	13 ...	162 ...	.....	.....	Jhelum bridge	5235		

The Chittapani Pass is not open before July, and closes on the first fall of snow in November.

XIII JAMMU to SRINAGAR by BUDIL PASS.

1	Jammu P. O., T. O., D. B.—	0 ...	Rough cart-road	Chenab valley.	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State, large town and bazar.
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2	Aknoor <i>P. O., F. B.—</i>	16	...	16	...	Road passable for laden mules throughout.	Chenab ferry	1142	S. G. F. W. plentiful, T. available.	Small town, fort and bazar.
3	Jandrai Kapaion Ki Baoli	7	4	23	4	.....	.....	.....	2000	S. nil, W. scarce, F. plentiful, T. nil.	Jungle.
4	Poni <i>E.—</i>	...	...	24	...	.....	Jendar gala.	Katundra ford	2000	S. and W. plentiful, T. available.	Large village.
5	Jandi Upper <i>Jaryin</i>	8	4	32	...	Stair descent	Dal gala.	.....	4000	S. G. F. and W. procurable, T. nil.	Village.
6	Nar	12	...	52	...	Fair road	Chili gala	Nar ford	.....	S. precarious, F. W. procurable, T. nil.	Scattered village.
7	Bhagoli	8	...	55	...	.....	Choroo Sira	.....	7807	S. nil, F. and W. plentiful, T. nil.	One or two huts.
8	Budil <i>E.—</i>	5	...	62	4	Road stony and bad	Ans valley	Ans bridge.	.....	S. G. F. and W. plentiful, T. available.	Large village and fort.
9	Abid <i>E.—</i>	4	...	65	...	.....	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	
				69	...	Ascent and descent very steep.	Beberi spur.	.....	.....
				70	...						

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORTE AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
XIIIa	ROUTE—contd.	...	95 ..						
11	Sedan E.—	10 ... 6 ...	101 ...	.....	.....	Veshau ford	.....	S. procurable, G. F. W. plentiful, T. nil.	Large village and customs post.
12	Shupiyon P. O., B., C., E.—	5 ...	106 ...	.....	.....	.....	6715	S. G. F. and W. abundant, T. ample.	Town, bazar, tehsil, and head-quarters of district.

XIIIb SHUPIYON to BARAMULLA—

12	Shupiyon P. O., B., C., E.—	...	101 ... 102 ... 108 ... 111 ... 115 ... 120 ...	...	...	...	...	...	...
13	Chrar E.—	14 ...	123 ... 125 ...	...	...	...	...	...	...
14	Khan Baba Sahib's Ziarat—	10 ...	...	...	...	...	...	...	...

Town, bazar and
tehsil, head-
quarters of dis-
trict.
Small Town, Musjid
with tomb of Shah
Nur-uddin.

S. G. F. W. abun-
dant, T. ample.

6715

.....
Rambhara ford
Mankund "
Kachgal "

Across Jhelum
drainage.

Hill track passable
for laden animals,
across undulating
ground along the
eastern foot of
Pir Punjal range.

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S. G. F. W. distant

6400

Dudhgunga
ford.

Across Suknag
drainage.

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S. scanty, G. F. W.
procurable, T. scarce.

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Across Suknag
drainage.

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15	Kag E.—	...	10	...	133	Ditto	Suknag bridge.	S. G. F. W. procu- rable, T. available.	Large village, an- cient spring Gunj- mag.
	Firozepur	...	...	...	135	...	.....	Poshkar gulli.	.....	.....
		...	...	...	140	...	.....	.....	Bahun ford.	.....	
		...	...	...	145	...	.....	.....	.....	.....
16	Baba Marishi B., C.—	...	13	...	148	...	...	.....	.....	7000	S. scanty, G. F. W. plentiful, T. nil.	Ziarat of Baba Pam Din, place of pil- grimage.
	Kontra	...	...	...	154	...	.....	.....	Ningul ford.	5175	S. G. F. W. abun- dant, T. after notice.	Small town, bazar and tehsil on right bank Jhelum.
17	Baramulla P. O., T. O., D. B., E., C.—	...	16	...	164	...	.....	Jhelum valley.	Jhelum bridge.			

This is the most direct route with beautiful scenery and occasional fine views of the Punjab Range; there is another route from Shupiyan to Kag by Sangarwini, Eosa, Dudhi Patri, Ringa Zabal, and Urzal or Ryar more inside the hills through lovely scenery. From Firozepur there is a good road to Gulmarg about 6 miles in length up the mountain side, while about 3 miles above Firozepur along the right bank Bahun valley, there are the ruins of two ancient temples on the Durrung Plain, which appear to have been partly destroyed by earth-
quakes.

From Baba Marishi there is also a short road 2 miles long to Gulmarg Bazar, this was made in 1891. Baramulla was severely injured by the great earthquake of 1885. About 5 miles off, the earth suddenly opened and swallowed up part of a village with its inhabitants, jets of hot water and sand gushing out.

XIV JAMMU to SRINAGAR by GULABGURH or KURI PASS—

Jammu P. O., T. O., D. B.—	...	...	0	...	Rough road over- beds of stony ravines to Riassi and passable for laden animals.	...	.....	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State.
Negrola	...	...	6	...	Dirooni valley	.....	.....	1150	...	H. H. Maharaja's Rest-house and garden.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE.	m.	f.						
XIV.	ROUTE—contd.	...	...	6	...	...	.....	.....	S. nil, G. F. procurable,	Small village.
1	Danga	11	...	11	.....	Gundla ridge	.....	1650	W. scarce, T. nil.	Temple and spring.
	Taidipani	...	...	16	.....	.....	.....	1400	S. precarious, G. F. W. procurable, T. nil.	Small village.
2	Kanjih	12	...	23	..	Chenab valley	.....	1330	.....	Sikh temple.
	Dora	...	...	26	.....	.....	Doda ford	1330	S. G. F. W. plentiful, T. ample.	Town, bazar, tehsil and castle.
3	Riasai P.O., T.O., B.C., E.	12	...	35	Fair road over the Salar range down to Chenab and along right bank to Aarnas.	.....	.....	1800	.....	On Salar hill spur.
	Bidar	...	...	39	...	Tor gulli	.....	2450	S. nil, G. F. procurable, W. plentiful, T. nil.	Huts.
4	Banasu	10	...	42	...	.....	Chenab rope bridge or ferry.	3300	S. G. F. W. procurable, T. available.	Large village on right bank
5	Aarnas E.	6	...	45	...	...	.....	1540	.....	Chenab, facing Salar Fort on left bank
		...	...	51	...	...	.....	.....	.....	Chenab.
6	Toroo E.	10	...	61	Rough road with many ups and downs over spurs and ravines.	Ans and Gulabgurb valleys left bank.	.....	.....	S. procurable, G. F. W. plentiful, T. nil.	Cluster of villages.
7	Angril E.	14	...	75	...	...	.....	.....	Ditto	Small village.

	Dood	...	...	76 79	...	...	...	...	Golabgurb ford.	.....	.....	Ditto.
18	Kinderali or Golabgurb Fort E.—	...	9'	84	...	...	Steep ascent and easy descent over pass.	...	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Ditto.
9	Gogulmarg E.—	...	11	95	...	...	.....	Gulabgurb or Kuri. Chitti valley.	.....	12530	Ditto	Marg and huta.
10	Koond Kooloo Kuri E.—	...	...	100 102 106	...	4	Good road over fine plain, well culti- vated.	Pahargurb range. Veshau valley.	.....	.....	S. procurable, W. scarce, G. F. plentiful, T. available.	Ditto. Large village.
11	Shuplyon P. O., B., C., E.— Ramu E. confined.—	...	12	112 118	...	...	.....	.....	Veshau ford.	6715	S. G. F. and W. abundant, T. ample.	Town, tehsil and head-quarters of district. Large village.
12	Kabarpur C. E.—	...	16	134	...	4	.....	Jhelum valley.	Rembiara ford.	.....	.....	.....
13	Srinagar P. O., T. O., C., E.—	...	13	147	...	...	.....	.....	Jhelum bridge	5235	S. nil, G. F. W. procurable, T. nil. S. G. F. W. abundant, T. ample.	Capital of Kashmir State, large town, cantonnement, fort and bazars.

This was said to be the best horse road into Kashmir, but is not so much used at present. From Jammu to Riassi there is an alternative route, also up stony beds of ravines by Negrota 6 miles, to Dumun 14 miles, thence along the Sarna ridge to Katera 26 miles, 1,760 feet and across numerous ravines to Riassi 37 miles. The celebrated temple and place of pilgrimage, Trikoota Devi, is situated on the mountain of three peaks, about 3 miles north of Katera, up the Balan Khud, where copious springs of pure water issue from the limestone rock at an elevation of 3,000 feet; at Katera is a fine State garden.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL m. f.						
8	Gulabgurh E.—	...	84 ...	Difficult path for men only.	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Fort.
9	Dedam E.—	...	94 ...	.....	Dedam Pass.	.....	.....	Ditto	Large marg.
10	Bo E.—	12 ...	96 ...	.....	Koharawa valley.	.....	.....	S. procurable, G. F. S. plentiful, T. nil.	Fair village.
11	Hanjipur E.—	8 ...	104 ...	Good road for laden animals.	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Large village.
12	Shupiyan P. O., B., C., E.—	6 ...	110 ...	.....	Veshau valley	Veshau ford	.....	S. G. F. and W. abundant, T. ample.	Town, bazar, tehsil and head-quarters of district.
		10 ...	120 ...	.....	.....	.....	6715		

This is a rugged mountain path known only to Gujars. The pass is above 12,500 feet high with fairly easy ascent and descent. From Gogulmarg 95 miles after crossing the Pahargurh Range, there is a shorter route by Hanjipur 105 miles, to Shupiyan 115 miles. From Koond Kooloo there is a road 6 miles in length to Kungwattu on the Kona Nag Pass road. These Routes XIII and XIV up the Ans valley are the most direct from Jammu to Srinagar, and traverse a less width of the friable Murree rock formation than any other route. The passes from 12,500 to 14,120 feet are very high, and these roads are, therefore, blocked by snow during one-half of the year. If the money could be found for a 10-mile tunnel through these mountains this direction would probably be suitable for a railway.

XV JAMMU to SRINAGAR by BANIHAL PASS—

There are three branches to this route, by the Singpal Pass, and by the pass over the Larulari Range, all converging to the iron suspension bridge over the Chenab river at Ramband, hence a single route up the Bichlari valley over the Banihal Pass to Islamabad and Srinagar.

Firstly, BY THE CHENAB VALLEY—

	Jammu P. O., T. O., D. B.—	...	...	0	...	Rough cart road over fertile country.	Up Chenab valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State, large town and bazar.
1	Merh	...	9	9	...	.....	.....	.....	925	S. G. F. W. plentiful, T. available.	Village and H. H. Maharajah's gar- den.
2	Aknoor	...	...	18	...	.....	.....	.....	1142	S. and W. plentiful, T. available.	
3	Gaura	...	11	20	...	Hill track over broken ground and stony beds of ravines.	.....	.....	1200		
4	Dera	...	12	32 39	...	..... .....	..... .....	Doda ford	1330 1330	S. G. F. nil, W. plentiful, T. nil.	Sikh temple.
5	Riassi P. O., T. O., B., C., E. Mari	...	9	41	...	Fair road over Salar range and along Chenab valley, left bank, passable for mules.	..... Serli Pass	.....	1800	S. G. F. and W. plentiful, T. ample.	Fort town, bazar and tehsil.
	Ser	...	...	43 45	...	.....	.....	.....	2000 4300		
		...	...	48 49	...	.....	Kirkhari gully	.....	2950 2875		
	Kansur E.—	...	10	51	...	.....	.....	...	1600	S. moderate, G. F. W. plentiful, T. available.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
XV	<i>ROUTE—contd.</i>	...	...	51	...					
6	<i>Kotroo Harý</i>	...	6	57	...	.....	.....	2075	S. moderate G. F. W. plentiful, T. nil.	Village.
7	<i>Parand E—</i>	...	7	60	4	.....	.....	1800	Ditto, T. available.	Ditto. Ancient ruins.
	<i>Kartal</i>	...	...	64	...	.....	Pinkia river ford.	2450	.....	.
		...	...	67	...	.....		1900		
8	<i>Medial</i>	...	11	72	...	Road diverges round Kaonsal mountain over limestone formation to avoid cliffs on Chenab.	Simni gully	6100	.....	Spur of Mandi peak.
	<i>Tangar</i>	...	...	75	...	Fair hill road passable for mules.	.....	3200	Ditto, T. nil.	Ditto.
		...	...	77	...		Bilkot gully	4408		
		...	...	79	...		.....	2650		
9	<i>Dharamkoend E—</i>	...	8	83	...	.....	.....	2200	Ditto, T. available.	Ditto. Rope sling bridge over Chenab.
	<i>Gunga</i>	...	...	85	...	.....	.....	3800		
	<i>Maitra E—</i>	...	...	92	...	.....	.....	.....	S. nil, G. F. procurable, W. plentiful.	Old baradari.

10	Ramband P. O., T. O., B., C., E.	11	...	94	Chenab bridge	2324	S. G. F. and W. plentiful, T. available.	Tehsil and bazar.
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Between Riassi and Kansur, the Chenab river makes a remarkable bend, changing from a westerly to a southerly course through a deep gorge of limestone cliffs. The Salar Fort is situated in the angle of this bend and the road from Riassi avoids the latter, crosses the limestone ledge by the Serli Pass in a N. E. direction and descends to Kansur in the Chenab valley. It passes by Sir, near which are situated the mines of lead and antimony which have been worked for a long period.

Between Karlat and Tangar, the Chenab cuts through a spur of the limestone range forming a deep gorge walled in by high cliffs, with a great fall. From Karlat the road diverges S. E. to Madial over the Simni Pass, and comes round the base of a limestone peak N. E. to Tangar, back on the Chenab. In the vicinity of Dharamkoond up the Chenab valley, there are large deposits of Gypsum called *makol*. This route up the Chenab and Bichlari valleys has been reconnoitred for a railway. It passes through 40 miles of the Murree rock formation, and would meet difficulty at the Tangar and Salar limestone gorges.

Secondly, BY THE SINGIPAL PASS—

	Jammu P. O., T. O., D. B. —	...	...	0	...	Good road but stony.	Up Tawi valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State, large town and bazar.
	Negota	...	...	6	...	.....	.....	.....	1150		
				16	...	.....	Nadaini gully	.....	2275		
1	Dunsal	...	17	6	6	.....	.....	Chupper Khud	1800	S. G. F. procurable, W. scanty, T. scarce.	Village.
				24	...	.....	Shegala range	.....	2800		
							.....	Doodur Khud			
	Periam	...	...	25	6	Old road now seldom used.	.....	.....	2500	Ditto, W. baoli and nullah.	Ditto Old fort in ruins.
2	Krimchi	...	14	2	32	.....	.....	Biru ford.			
				35	...	.....	.....	.....
				39	...	.....	Siraoi range.	.....		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XV	<i>ROUTE—contd.</i>	...	39 ...						
3	Mir	...	...	.....	Across head	.....	4800	S. nil, G. F. W.	Halting place.
	<i>Batul</i>	10 ...	42 ...	.....	Pinkia valley.	Pinkia ford.		procurable, T. nil.	
4	Landra	...	47 ...	.....	.....	.....	4700	S. scarce, G. F. W. and	Fort.
	<i>Bilhuta</i>	9 ...	51 ...	Steep descent	Singpal	.....	8200	T. available.	
	<i>Maira</i>	...	56 ...		Across Chenab				
	Ramband	...	59 ...	.....	valley.	Chenab		S. G. F. W. plentiful,	Tehsil and bazar.
5	<i>P. O., T. O., B., C. E.</i>	12 ...	63 ...		.....	bridge.	2324	T. available.	
		...	65 ...						

Thirdly, MAIN ROUTE BY THE SARTARGURH PASS OVER THE LARULARI RANGE—

1	Jammu P. O., T. O., D. B.—	...	0 ...	Made road through- out and partially bridged.	Up Tawi valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State.
	<i>Negrota</i> B.—	...	6 ...	.....	.....	.....	1150	.....	H. H. Maharaja's Baradari and garden.
		...	16 ...	.....	Nadai gully	.....	2275		
2	Dunsal B.—	17 6	17 6	Between Jammu and Udampur	.....	Chuppur Khud	1800	S. G. F. procurable,	Village.
		...	20 6	very stony over	Shegal range	.....	2800	W. scanty, T. scarce.	
	<i>Periam</i>	...	24 ...	boulder forma- tion.	.....	Doodur Khud.			
		...	25 6						

3	Udampur P. O., T. O., Palace, C., E.—	12	6	30	4	Good section	.....	.....	2500	S. G. E. plentiful, W. scarce in dry sum- mer, T. ample.	Town and bazar, head-quarters of district.
4	Dramthal B.—	13	6	44	2	.....	.....	.....	3500	S. G. F. procurable, W. moderate, T. scarce.	Village.
	Ohineni	...	...	49	...	Steep and stony ascent & descent.	.....	.....	3900	S. and W. abundant, T. ample.	Small town and bazar.
	Putni Talao	...	...	53	...	—	Larulari	.....	6600	.....	Near Sartargurh.
5	Batoti B. E.—	11	6	56	...	Steep descent which might be improved.	Across Chenab valley.	.....	5050	S. G. F. plentiful, W. moderate, T. scarce.	Village.
6	Ramband P. O., T. O., B., C., E.	13	2	69	2	Rough road through shale, subject to snow, avalanches from Loonkot mountain and liable to land- slips.	.....	Chenab bridge	2324	S. G. F. W. plentiful, T. available.	Tehsil and bazar.
	Digdihol	...	...	77	...	.....	Up Bichlari valley.	.....	3300	.....	.....
	Kalna	...	...	80	...	.....	.....	Bichlari bridge.	3200	.....	.....
7	Ramsu Hut.—	12	6	82	...	.....	.....	Ditto	3700	S. G. F. procurable, W. plentiful, T. nil.	Small village.
	Nachilana	...	...	84	...	.....	.....	Mohu bridge.	4400	.....	Customs post.
		...	...	86	...	.....	.....	Bichlari bridge.	5450	S. G. F. W. moderate, T. scarce.	Village.
8	Deogul or Banihal B.—	11	...	93	...	Good section	.....	.....	6300	.....	Village, foot of pass.
	Takia C.—	...	...	98	4	Steep ascent and descent, road fair.	.....	.....	9200	.....	.....
		...	...	100	4	.....	Banihal	.....		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.							
XV	ROUTE—contd.	...	100 4							
9	Verinag P.O., T.O., B. E.—	11 2	104 2		Good road	Down Jhelum valley.	Sandri bridge Brigh bridge.	6000	S. G. F. and W. plentiful, T. available.	Large village and tehsil.
10	Islamabad or Anant Nag. P.O., T.O., B., C., E.—	16 2	120 4		.....	Right bank	Sulphurous springs.	5450	Ditto, T. ample.	Town, bazar and head quarters of district.
	Kanabul B.—	...	122 ...		Hence travellers mostly go by boat down the Jhelum.			5400	Ditto "	On right bank Jhelum.
	Bijbehara B. C.—	...	126 ...		Fair road	.....	.....	.....	.....	Town and bazar, numerous temples and mosques.
11	Awantipur E.—	17 ...	137 4		.....	.....	.....	5300	S. nil, T. nil.	Ruins of ancient city and temple.
	Pandrolan	...	149 ...		.....	.....	.....	.....	.....	Ancient city and temple in ruins.
12	Srinagar P. O., T. O., C., E.—	18 ...	155 4		.....	.....	.....	5235	S. G. F. and W. abundant, T. ample.	Capital of Kashmir State, large town and bazar, Military Canton- ment.

This route is reserved by H. H. Maharajah of Jammu and Kashmir, and no visitor can travel this way without his express permission. When the latter is given, the traveller should arrange for the thorough transport of his camp and baggage from Jammu to Islamabad, otherwise much trouble and difficulty may be felt, the local coolies frequently putting down their loads on the roadside and running away. The Banihal Pass is usually closed by snow during two months of the year, 15th December to 15th February inclusive.

Through Damsal a cross route starting from Riassi runs along the Damsal plain generally in a south-east direction by Jindrar, and after crossing the Tawi river at Negrota comes to Munwal, where the two roads from Jammu to Ramnagar and Bisoali diverge. Near this place are the ruins of some fine Pandoo temples which are little known. The distances from Riassi are to Katera 11 miles, Dunsal 25 miles, Jindrar 33 miles, Negrota 38 miles, and Munwal 40 miles.

From Ramband 69 miles 2 furlongs, an old road ascends the Loonkot Range 8,000 feet, and crossing over above Bilhoot 74 miles, descends into the Peristan valley by Baragadh 80 miles, to Ramsu 85 miles.

From Ramband 69 miles 2 furlongs, a loop track ascends N. E. over the same range under Saroo Peak by Gunhot 75 miles, and after crossing the Pass descends down the Peristan valley by Peristan 86 miles, to Ramsu 98 miles.

XV^a UDAMPUR to RIASSI—

3	Udampur <i>P. O., T. O., Palace, C., E.—</i>	30	4	Open country, well cultivated, but broken by numerous deep ravines, road fair.	Across drain- age of Tawi. Sandran spur	..... Sukhul Kud	2500	S. and G. F. plentiful, W. scarce in dry summer, T. ample. S. precarious, W. scarce, T. nil.	Town and bazar, head-quarters of district. Village.
4	Cymbal Sui <i>E.—</i>	...	10	4	41	Trikoota spur	Balan Kud	1760	S. and W. plentiful, T. available.	Large village.
5	Katera <i>C., E.—</i>	...	8	...	49	Across Chenab drainage.	Dooda stream.			
6	Riassi <i>P. O., T. O., B., C., E.—</i>	...	11	...	60	1800	S. and W. plentiful, T. ample.	Fort, town, bazar and tehsil.

From Udampur 30 miles 4 furlongs there is another route by Siraoli 43 miles, and over two spurs of the Siraoli Peak to Gurg 52 miles, thence down the Dooda valley to Riassi 66 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						

XV CROSS ROUTE from PARAND to SAD MAHADEO by LANDRA and CHINENI. —

1	Parand E.—	...	0 ...	Hill track not pass- able for laden animals.	Up Pinkia valley.	.....	2450	S. moderate, G. F. W. plentiful, T. available.	Village and ruins of temple.
	Landra	15 ...	5 ... 15 ...	..... .....	..... .....	Pinkia ford.	4700	S. scarce, G. F. W. T. procurable.	Fort.
2	Chineni P. O., C., E.—	12 ...	21 ... 27 ...	..... Good road	Larulari range Across Tawi drainage.	..... .....	3900	S. G. F. W. plentiful, T. ample.	Small town and bazar. Residence of Raja of Chineni.
3	Sad Mahadeo C., E.—	8 ...	35 ...	.....	.....	.....	.....	Ditto.	Place of pilgrimage, with temples and bazar.

XVc NACHILANA to SHUPIYON by MOHU PASS —

8	Nachilana	...	86 ...	Rough hill track passable for mules.	Up Mohu valley.	Mohu bridge	4400	Customs post.
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9	Mohu E.—	...	11	...	97	S. nil, G. F. W. plentiful, T. nil.	Marg.
10	Dunnouf E.—	101 111	Mohu Pass. Down Kolherawa valley.	S. procurable, G. F. W. plentiful, T. scarce.	Village.
11	Hanjipur E.—	...	6	...	117	...	... ..	.....	Veshau ford	S. and W. plentiful, T. available.	Large village.
12	Shupiyon P. O., B., C. E.—	...	10	...	127	...	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Town, bazar, tehsil and head-quarters of district.

Over the mountain range S. E. from Banihal, which separates the Bichlari valley from the Shahabad valley, are 3 passes :
Nandmarg ascended from Ramsu 82 miles, up the Pogal stream by Maligam 92 miles, to Choan, Custom House, 105 miles at the upper end of the Shahabad valley.

Ramoor ascended from Ramsu 82 miles, up the Marwan stream by Prihanta 92 miles, to Ingrawarru in the Shahabad valley 102 miles.

Halan ascended from Deogul 93 miles, by Halan 104 miles, to Nowgaon 107 miles, and Verinag 110 miles, in the Shahabad or Upper Jhelum valley.

On the west side of Banihal Pass is the Traj Pass, which may be ascended from Deogul 93 miles, by Dannahar 102 miles, to Rozlu valley 112 miles, and Islamabad 127 miles.

From Verinag westwards there is a pleasant road with fine scenery along the northern foot of the Punjal Range by the Rozlu valley and Dunnouf to Shupiyon, viz., Verinag to Hillar 6 miles, Rozloo valley 15 miles, Durdgoond 23 miles, Dunnouf 33 miles, Hanjipur 39 miles, Koond Kooloo 48 miles, Kungwattu 54 miles, Sedau 60 miles, Shupiyon 65 miles. Supplies and coolies are procurable throughout except at Koond Kooloo and Kungwattu.

XVd EXTENSION ROUTE VERINAG to INSHIN in WURDWAN VALLEY by MARGAN PASS.—

9	Verinag P. O., T. O., B.—	...	...	...	104 105 108	2	Good road passable for laden animals.	Shahabad valley Shail Nag range. Bringh valley	..... Sandrin ford Bringh ford.	6000	S. G. F. & W. plentiful, T. available	Large village and tehsil.
					111	...	.....	Bringh valley	Bringh ford.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XVd	ROUTE—contd.	...	111						
10	Soph <i>E—</i> <i>Kharward</i>	9	6 114 ...	.....	.....	.....	.....	S. G. W. plentiful, F. scarce, T. available.	Two large villages employed in working iron mines. Large village.
11	Nowbug <i>E—</i>	9	... 117 ... 120 ... 123 ...	..... ..... .....	Nar Sungar. Up Nowbug valley.	.....	.....	S. G. F. W. plentiful, T. available.	Small village
12	Garan <i>E—</i>	9	... 132 ... 138 ...	..... Road over pass steep and stony.	Margan Pass or Ikpatran. Up Wurdwan valley.	..... Mnru Wurdwan bridge.	... 11600	Ditto	Village.
13	Inshin	16	... 148 ...	.....			8143	S. precarious, G. F. W. plentiful, a few coolies procurable.	

From Verinag 2 roads lead to Soph over the Shail Nag range between the Shahabad and Bringh valleys, both equally good.

XV. EXTENSION ROUTE ISLAMABAD to AMARANATH by LIDAR VALLEY—

10	Islamabad or Anant Nag P.O., T.O., B.C., E.—	..	120 4	Good road passable for laden animals	Up Lidar valley left bank.	.....	5450	S. G. F. W. abundant, T. ample.	Town and bazar, head-quarters of district, sulphur- ous hot springs. Beautiful spring, temple and caves.
11	Bawan E—	4 4	125 ..	.....	.....	.....	.....	Ditto	.....

12	Kishmakam E.—	...	10	...	135	...	.....	.....	.....	S. G. F. W. plentiful, T. available.	Mahomedan shrine, old copper mines at Harpat Nag.
	<i>Buthot</i>	...	...	...	141	...	.....	.....	.....	.....	Village.
	<i>Ganeshtal</i>	...	...	...	146	...	.....	.....	.....	.....	Chief stage of pil- grimage.
13	Pailgam E.—	...	14	...	149	...	Fair road practi- cable for ponies and janpans.	.....	8500	Ditto	Cluster of villages.
	<i>Pretlong</i>	...	...	...	156	...	.....	.....	.....	.....	Small village, last up valley.
14	Tanin or Chan- danwara. E.—	...	10	...	159	...	.....	.....	10500	S. nil, G. F. W. plentiful, T. nil.	Halting place.
15	Shisha Nag E.—	...	10	...	169	...	.....	.....	Shisha Nag	Ditto	Ditto.
	<i>Panjitarni</i>	...	11	...	180	...	.....	Sach Kach range, .....	.....	Ditto, Juniper bushes.	Ditto.
17	Amaranath Cave	...	5	...	185	...	.....	.....	Cave in the Gypsum rock.	Nil.	Celebrated place of pilgrimage, sacred to Siva.

Between Tanin and Panjitarni, there is another route by Astan Marg about 16 miles, rougher but shorter.

From Panjitarni there is a path down the Sangam Kol river to Baltal on the Srinagar and Ladak road at the southern foot of the Zoji La. The distance is about 8 miles and is traversable only while this river is covered by snow bridges during winter and generally until the end of June.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
XVI JAMMU to SKARDU by KISHTWAR and SURU—									
	Jammu <i>P. O., T. O., D. R.—</i>	...	0	Fair road passable for laden animals, very stony over boulder formation.	.....	.....	1200	S. G. F. & W. abundant, T. ample.	Capital of Jammu State, Military Cantonment, large town and bazar.
	<i>Negrola</i> <i>B.—</i>	...	6	.....	Up Tawi valley.	.....	1150	.....	H. H. Maharajah's Baradari & Garden.
1	Dunsal <i>B.—</i>	17	6 17	.....	.....	.....	1800	S. G. F. procurable, W. scanty, T. scarce.	Village.
2	Udampur <i>P. O., T. O., Palace—</i>	12	6 30	Good road	.....	.....	2500	S. G. F. plentiful, W. scarce, in dry summer T. ample.	Town and bazar, head-quarters of district.
3	Dramthal <i>B.—</i>	13	6 44	.....	.....	.....	3500	S. G. F. plentiful, W. moderate, T. scarce.	Village.
	<i>Chineni</i> <i>P. O.—</i>	...	49	Steep ascent	.....	.....	3900	W. and S. abundant, T. ample.	Small town and bazar.
	<i>Putni Talao</i>	...	53	.....	Larulari range.	.....	6600	.....	Near Sartarghur.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XVI	ROUTE—contd.	...	...				
12	Ekali	6 ...	134 ...	.....	Up Maru Wurdwan valley.	.....	.....	S. nil, G. F. W. procurable, T. nil.	Huts.
13	Sanger Zand	14 ...	148 ...	.....	.....	... Maru Wurdwan bridge.	.....	Ditto	Ditto.
14	Hanja	16 ...	164 ...	.....	.....	.....	.....	Ditto	Ditto.
		15 ...	179 ..	.....	.....	Maru Wurdwan bridge.	.....	Ditto	Ditto.
15	Petgam or Maru	13 ...	192 ...	.....	.....	Farriabad bridge.	.....	S. G. F. W. procurable, few coolies.	Village.

Hence there are two routes to Suru, one up the Maru Wurdwan valley by the Bhutkhol Pass as follows, the other up the Farriabad valley by the Chiloong Pass, the latter much longer. See Route XVIa.

16	Hajka E.—	11 ...	203 ...	Road bad a long precipices.	Up Maru Wurdwan valley.	S. nil, G. F. W. procurable, T. nil.	Halting place.
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17	Inshin P. O. E.	...	9	...	212	8143	S. precarious, G. F. W. procurable, few coolies.	Village.
	Afth	216	Old fort.
	Baman	...	...	...	219	...	Road passable for ponies not laden.	.....	Maru Wurdwan bridge.	.....	.....
					222	...	.....	.....	Ditto.	.....	
					225	...	.....	.....	Ditto.	.....	
18	Suknis E.—	...	15	...	227	...	.....	.....	.....	.....	Ditto	Last village up this valley.
19	Dambol E.—	...	9	...	236	...	.....	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	Halting place.
20	Morse Khol E.—	...	12	...	248	...	.....	.....	.....	.....	S. G. nil, W. procurable, F. scarce, T. nil.	Ditto at foot of glacier.
					260	...	Snow track over glacier.	Bhutkhol or Lanwi La.	.....	14370	.....	Kwaj Kur track.
21	Dunore E.—	...	20	...	268	...	.....	Down Suru valley left bank.	.....	.....	S. G. F. nil, W. procurable, T. nil.	Halting place.
22	Suru E.—	...	10	...	278	...	Road passable for men and led ponies only.	.....	.....	10624	S. G. F. W. procurable, few coolies and ponies.	Village and fort.
23	Sankho E.—	...	18	...	296	...	.....	.....	.....	.....	S. G. F. W. obtainable, T. available.	Large village.
24	Chaliskot E.—	...	12	...	308	...	.....	.....	.....	.....	S. G. F. W. procurable, T. nil.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
XVI	ROUTE—contd.	12 ..	308 ¹ ..						
25	Kargil E.—	14 ..	322 ..	.....	.....	.....	8787	S. G. W. plentiful, F. moderate, T. available	Large village and fort, and headquarters of district.
26	Kirkitchu E.—	10 ..	332 ..	Difficult road not passable for ponies or mules.	.....	Dras bridge	.....	S. G. F. W. procurable, T. nil.	Village Chanagand on right bank.
27	Gangany E.—	10 ..	342 ..	.....	.....	.....	.....	Ditto	Small village.
28	Olting Thang E.—	12 ..	354 ..	.....	Down Indus valley left bank.	.....	.....	S. G. F. W. procurable, few coolies	Village.
29	Tarkuty E.—	14 ..	368 ..	Bad parts over rugged spurs with scaffolding.	.....	.....	7800	Ditto	Ditto.
30	Kartaksho E. confined—	17 ..	385 ..	.....	.....	.....	8500	Ditto	Ditto.
31	Tolti E.—	12 ..	397 ..	.....	.....	.....	.....	Ditto	Ditto.
32	Parkuta E.—	14 ..	411 ..	Fair hill road	.....	... ..	.....	S. G. F. W. plentiful, T. available.	Large village.

33	Gol E.—	...	13	...	424	...	.....	.....	.....	Ditto	...	Ditto.
	<i>Kepchang</i>	...	...	...	441	...	.....	.....	.....	Ditto	...	Ditto.
34	Skardu P. O, T. O, E.—	...	21	...	445	...	.....	.....	7440	S G. W abundant, F. scarce, T. ample.	Capital of Baltistan, fort and bazar.	

There are two routes over the Bhut khol Pass between Suknis and Suru. The Kwaj Kur Route, as above given, generally open from June to November, and the Saga Route by the Rang nang, 73 miles long, which, though it has easier gradients, is not safe after the snow melts. As changes occur in the glaciers, the tracks are altered, and this may account for the different routes given by travellers.

It is remarkable that in this road from Jammu to Skardo, 445 miles in length through the mountains, there are only two passes—the Larulari, 6,600 ft. and the Bhut khol, 14,370 ft. With a large camp, through transport is necessary for the bulk of the baggage.

XVI^a ALTERNATIVE ROUTE FROM PETGAM TO SURU by CHILOONG PASS—

15	Petgam <i>E.—</i>	...	...	...	192	...	Hill track used by men only, difficult path.	.....	Up Farriabad valley.	.....	...	S. procurable, G. F. W. moderate, few coolies.	Village.
	<i>Zabban</i>	...	...	...	...	...	.....	.....	.. ..	.....	.....	.....	Hot Spring.
16	Metwan <i>E.—</i>	...	14	...	206	...	.....	.....	.....	.. ..	.....	S. nil. G. F. W. procurable, T. nil.	Hamlet.
17	Maharran <i>E.—</i>	...	10	...	216	...	...	.....	.....	.. ..	.....	Ditto	Halting place.
18	Kailgan Rocks <i>E.—</i>	...	12	...	228	...	.....	.....	.....	.....	...	Ditto	Ditto.
19	Camp <i>E.—</i>	...	12	...	240	...	.....	.....	.....	.....	.....	S. F. G nil, W. plentiful, T. nil.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
XVII.	ROUTE contd.	12	...	240	...					
20	Randun Sankpo E.	20	...	260	...	Chiloong Pass down Randun Sankpo valley.	.....	.....	S. F. G. nil, W. plentiful, T. nil.	Foot of Penge La.
	Gampa Lama Serol or Ringdon E.	13	...	273	...	Track improves as the valley widens.	.....	.....	S. precarious, F. G. procurable, W. plentiful, T. nil.	Lama Monastery.
22	Gulmatongo E.	17	...	290	...	Heavy road	.....	.....	Ditto	Huts.
	Purkatse E.	12	...	302	...	Steep ascent	.....	.....	Ditto	Small village.
24	Suru E.	6	...	308	...	.....	.....	10624	S. G. F. moderate, W. plentiful, few coolies.	Fort and village.

From Purkatse another road winds round the spur along right bank of river to Suru 12 miles long.

XVII: JAMMU to LEE & BADRAWAR and ZANSKAR—

Place	Up Tawi valley	Tawai and	Population	Remarks	Notes
Pergalga E.	10	10	10	Fair hill road passable for laden animals but stony.	Capital of Pegu State, Mitha Car on right large town and bazar. Village.
Suruin Sar E.	9	19	19	.....	S.G.F.W. procurable few coolies.
Mauval	.....	.....	.....	.....	S.G.F.W. procurable, few coolies.
.....	11	20	20	.....	S.G.F.W. procurable, few coolies.
.....	32	32	32	Belai or Sunidhar range.	.....
.....	38	38	38	Pulasu spur	.....
Rannagar P.O., T.	13	48	48	Up Rannagar valley	.....
Horta K. side Garoo	9	52	52	From Korta to ridge	.....
.....	13	65	65	Garoo spur ascended and then along hill ridge Kalatil.	.....
Doctier E.	.....	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
XVII 22	ROUTE. — contd. Ating <i>E. —</i> <i>Tungring</i>	13 ..	231 ..	241 ..	247 ..	.....	.....	12020	S. G. F. W. procurable, few coolies.	Village.
Hence there are two routes down the Zaskar valley on either bank to Yelchung. A Jhula bridge at Tungring to left bank Doda river.										
23	Seni Gonpa <i>E. —</i>	9 ..	250 ..	259 ..	Fair hill track, passable for laden animals.	Down Doda or Zaskar valley right bank.	.....	11560	Ditto	Ditto and temple.
24	Padam <i>E. —</i>	9 ..	259 ..	268 ..	.....	.....	Tsarap Lingti Chu or Sindu Jhula or rope bridge.	11373	S. G. F. W. procurable, few coolies, T. available.	Former capital of Zaskar, village and fort.
25	Thonde <i>E. —</i>	9 ..	268 ..	275 ..	.....	.....	.....	11460	Ditto, T. nil.	Small village.
26	Zozar <i>E. —</i>	7 ..	275 ..	280 ..	.....	.....	.....	11583	Ditto	Hamlet and bridge over Zaskar river.
27	Zangla <i>E. —</i>	6 ..	280 ..	281 ..	.....	.....	Sumdo.	11050	S. G. W. plentiful, F. scarce, T. available	Village.
28	Khurma foo <i>E. —</i>	13 ..	294 ..	289 ..	Rough hill road passable for ponies.	Chelong Labto	.....	14530	S. nil, G. F. W. procurable, T. nil.	Halting place.
29	Pangot <i>E. —</i>	10 ..	304 ..	308 ..	.....	.....	.....	16000	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE.	TOTAL.						
		m.	f.						
XVLa ATING TO YELCHUNG by LEFT BANK DODA OF ZANSKAR RIVER									
22	Ating E.—	...	241	...	Down Doda or Zanskar valley left bank.	.....	12020	S. G. F. W. procurable, few coolies.	Village.
23	Tangring	...	247	...	.....	Doda bridge	.....	Ditto, T. nil.	Ditto.
24	Kursha	...	255	...	.....	.....	.....	S. G. F. W. moderate, few coolies.	Large village, Lama Monastery.
25	Zosar left bank...	12	267	...	.....	.....	11583	S. G. F. W. procurable, T. nil.	Halting place.
26	Pidmu	...	278	...	.....	.....	.....	Ditto	Village.
27	Hansmil	...	284	...	.....	.....	.....	S. precarious, G. F. W. procurable, T. nil.	Hamlet.
28	Sneatse	...	292	...	Difficult path cross- es deep gorges and high ridges in the massive limestone and slate formation.	Purfi La. Khangpu spur. Hulooma La Chupkun La. Mitookse La. Kuba La. .....	.....	S. nil, G. F. W. scanty, T. nil.	Halting place.
29	Linsnot	...	304	4	.....	Luzungchu.	15453	S. nil, G. F. W. scanty, T. nil.	Halting place.
30	Yelchung E.—	...	306	...	.....	.....	12850	S. G. F. W. scanty, T. nil.	Small village.
		10	318	...	.....	Sholo Kurpo- chu.	12730	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XVIII	ROUTE.—contd.	12	97						
11	Chamba <i>P. O., D. B., C. E.—</i>	14	111	.....	.....	Ravi bridge	3033	S. G. F. W. abundant, T. ample.	Capital of Chamba State. Large town and bazars.
12	Rakh <i>D. B., E.—</i>	12	123	.....	.....	.....	.....	S. G. F. W. plentiful, T. available.	Village.
13	Chitrali <i>E.—</i>	10	133	.....	.....	.....	5883	Ditto	Ditto.

From Chitrali there are two routes to Tandi at the junction of the Chandra and Bhaga rivers, one by the Kukti pass, the other by the Bara Bhagal pass as under : though on the latter, a difficult glacier has to be crossed 8 miles long. Both passes are impracticable for ponies.

BY KUKTI PASS :—

				Fair hill track	Up Barmaor branch of Ravi valley.	Ravi bridge	S. G. F. W. procurable, T. available.	Village.
14	Oolasa	...	11	144	S. G. F. W. procurable, T. available.	Village.
15	Barmaor <i>P. O.—</i>	...	10	154	7076	S. G. F. W. plentiful, T. available.	Large village.
16	Harsa	...	10	164	6650	S. G. F. W. procurable, T. available.	Village.

17	Kukti <i>F. B. —</i>	...	12	...	176	...	Difficult path	.....	Kukti pass Chandra Bhaga valley.	.....	.....	17400	Ditto	Ditto.
18	Rupeh <i>Lota</i>	...	25	...	201	...	.....	.....	.....	.....	.....	.....	Ditto	Ditto.
19	Tandi	...	12	...	213	...	.....	.....	.....	Chandra Bhaga bridge	.....	.....	Ditto	Ditto.

OR BY BARA BHAGAL PASS:—

14	Chanota	...	12	...	140	...	Fair hill track	.....	Hulaus ridge. Up Ravi valley.	.....	.....	.....	S. G. F. W. plentiful, T. available.	Village.
15	Sutket	...	9	...	154	...	.....	.....	.....	.....	.....	.....	Ditto	Ditto.
16	Chanair <i>Kunaur</i>	...	12	...	166	...	.....	.....	.....	Ravi bridge	.....	.....	S. G. F. W. procurable, T. available.	Ditto.
17	Bara Bhagal	...	16	...	182	...	Very difficult path	.....	.....	.....	.....	8535	Ditto	Ditto.
18	Camp	...	12	...	194	...	.....	.....	.....	.....	.....	.....	S. F. T. nil, G. W. plentiful.	Halting place.
19	Tandi	...	18	...	200	...	.....	.....	Bara Bhagal pass.	.....	Chandra Bhaga.	.....	S. G. F. W. procurable, T. available.	Village.
20	Kailing(Kardang) <i>P. O., B., E. —</i>	...	5	...	212	...	Good road passable for laden animals to the Tsarap valley.	.....	Up Bhaga valley right bank.	.....	.....	.....	S. G. F. W. plentiful, T. available.	Chief place Lahoul, Moravian Mission. D.B. at Kardang on left bank of Bhaga river.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
XVIII	ROUTE.—contd.	...	...				
21	Kulang <i>E.—</i>	5 ...	218 ...	.....	.....	.....	.....	S. G. F. W. procurable, T. procurable.	Village.
22	Sumdeo Darcha <i>C, E.—</i>	12 ...	230 ...	.....	.....	Kada Tokpo bridge.	10844	Ditto	Ditto, last on road.
23	Patsio <i>C, E.—</i> <i>Tapachand</i>	10 ...	240 ...	.....	.....	Bhaga bridge	12464	S. T. nil, G. F. W. plentiful.	Encamping ground for traders.
24	Zing Zingbar <i>Hut.—</i>	9 ...	249 ...	.....	.....	.....	.....	S. G. F. T. nil, W. plentiful.	Halting place on road to Bara Lacha pass. Pasture across river.
25	Suraj Dul	... ..	255 ...	.....	.....	Bhaga bridge	.....	S. T. nil, W. plentiful, G. F. available.	Ditto.
26	Kenlung <i>Phalangdanda</i>	8 ...	257 ...	Gradual ascent and descent. .....	..... Under Bara- Lacha pass not crossed.	Chukum L. Yunan Tso L.	..... 15417	Ditto	Ditto.
		6 ...	263 ...	.....	Down Yunan valley.	Yunan bridge.	...		
		12 ...	275 ...	.....			...
		... ..	283 ...	.....			...

27	Sarchu (Lingti) ... E.—	13	...	288	...	.....	.....	Sarchu bridge	.....	S. T. nil, W. plentiful, G. F. available.	Boundary of Lahoul and Ladak, at junction of Lingti and Yunnan rivers.
	<i>Zamdung Zampa</i> ...	...	...	293	...	.....	Up Tsarap or Maling valley.	.....	.....	Ditto	Halting place.
28	Lama Guru ...	13	...	301	...	Track becomes more difficult and is used by men, sheep and goats.	.....	.....	.....	Ditto	Halting place.
29	Thungchung Kiri	13	...	314	...	.....	.....	Maling bridge.	.....	Ditto	Ditto.
30	Tso Kum ...	17	...	325	...	.....	Pangpo La	.....	17500	Ditto	Ditto.
31	Khiang Shisa ...	12	...	331	...	.....	Down Lank- pol valley.	.....	.....	Ditto	Ditto.
				343	...	.....	.....	.....	.....	S. T. nil, G. F. W. procurable.	Hamlet.
				350	...	Gentle descent from Pangpo La to Tso Morari Lake	Down Phirse foo valley.	Phirse foo.	.....	
32	Latek <i>Khudmoche</i>	14	...	357	...	.....	.....	.....	.....	S. G. F. T. nil, W. procurable.	Halting place.
		...	...	363	...	.....	.....	.....	.....
33	Kiangdom ...	16	...	373	...	.....	.....	Tso Morari Lake.	14900	G. W. scanty, F. S. T. nil.	Plain at south end of Lake.
				377	...	Easy track	Narbu La.	Phirse foo.	.....	
				383	...	.....	Across head of Parechu valley.	.....	.....
34	Lam Tso ...	20	...	393	...	.....	.....	.....	.....	S. G. F. T. nil, W. procurable.	
35	Larsa-le ...	13	...	406	...	Easy ascent and descent, stony path.	.....	.....	.....	S. G. T. nil, F. W. procurable.	
				409	...	.....	Lenak La down Kongrachu.	.....	18100	.....	Two tracks over this pass.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XVIII	ROUTE.—<i>contd.</i>								
36	Gongra-le <i>Togra-le</i>	...	409 ...	.....	.....	.....	.....	S. G. T. nil, F. W. procurable.	
37	Sango Plain	...	417 ... 422 ...	Swampy track in places.	Up Hanle valley left bank.	.....	.....	S. F. and T. nil, G. W. procurable.	
38	Hanle <i>E.—</i>	...	432 ... 446 ...	.....		.....	14276	S. G. F. W. procurable, T. available.	Village, large monastery, headquarters of district.

From Gongra-le there is a path direct to Hanle over the high table land, Thungangeri plain, about 20 miles in length.

XVIII. ALTERNATIVE ROUTE FROM TANDI to HANLE by SPITI—

19	Tandi <i>E.—</i>	...	...	...	Fair hill road passable for mules, which must swim across Chandra river at Kokser.	Up Chandra valley right bank.	Bhaga bridge	.....	S. G. F. W. plentiful, T. available.
20	Gundla <i>E.—</i>	...	8 ...	221 ...			.....	10514	S. G. F. W. procurable, few ooles.
21	Sisu <i>E.—</i>	...	9 ...	230 ...			.....	9938	Ditto
22	Kokser <i>E.—</i>	...	10 ...	240 ..	.....	Ditto left bank.	Chandra rope bridge.	10361	Small ditto. Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XVIII	<i>a ROUTE.—contd.</i>								
33	Chopai	18 ...	376 ...	.....	Up Kyumsan Lung.	.....	.....	S. G. F. precarious, W. procurable, T. nil.	Chinese frontier.
34	Nakkerole	10 ...	386 ...	.....	... ..	.....	.....	W. procurable, T. nil	Spring do.
		9 ...	395 ...	.....	Kyung Zing La.				
			402 ...	.....	.....		
35	Kar-Le	17 ...	410 ...	.....	Nara pass.	Hanle ford.	.....	Ditto	Halting place.
36	Trakarpo E.—	12 ...	424 ...	.....	.....	.....	.....	Ditto	Ditto.
37	Hanle E.—	10 ...	434 ...	.....	.....	.....	14276	S. G. F. W. procurable, T. available.	Village and Buddhist Monastery on left bank Hanle river.

Between Kioto and Narbu Sumdo there is an alternative track by the Parang La as under, open from July to September inclusive, the scenery wild and magnificent.

27	Kioto	...	...	304 ...	Track fit for men and yaks only. ....	.....	.....	S. G. F. precarious, W. procurable, few coolies.	Small village.
				305 ...	.....	.....	Lagudarsi		

28	Kiwar	...	15	...	319	...	.....	.....	.....	13400	S. G. F. W. and T. available.	Large village.
29	Jugtha	...	12	...	331	...	Steep and rough ascent and four miles of glacier on descent.	.....	Parang La	16000	G. F. W. procurable, T. nil.	Halting place.
30	Dutung	...	10	...	341	...	.....	.....	.....	18300	W. procurable.	Ditto.
31	Umdung	...	17	...	358	...	.....	.....	.....	16000	Ditto	Ditto.
32	Narbu Sumdo	...	20	...	378	...	.....	.....	.....	.....	G. F. W. procurable, S. T. nil.	Ditto.

From Kiwar 319 miles down Spiti valley right bank, in a S. E. direction Ki Monastery 324 miles, Kaja 331 miles, Lara 339 miles, and Dankar 12,774 feet 347 miles, chief place of Spiti are reached.—S. G. F. W. and T. available throughout.

XIX JAMMU to HURDWAR by SIMLA—

	Jammu P. O., T. O., D. B.,—	...	...	0	...	...	.....	.....	Across Tawi drainage. .....	..... Tawi bridge.	1200	S. G. F. W. abundant, T. ample.	Large town, cantonment and capital of Jammu State.
1	Ismailpur	...	12	...	9	...	.....	.....	.....	Balal ford.	.....	S. G. F. W. scarce, T. nil.	Hamlet.
2	Samba	...	13	...	23	...	Track across undulating country at foot of hills, broken by ravines and well cultivated.	.....	.....	Basanthia ford.	.....	S. G. F. W. moderate, T. available.	Small town and tehsil.
3	Aleh	...	12	...	25	...	.....	.....	Across Ravi drainage. .....	.....	.....	S. G. F. W. scarce, T. nil.	Hamlet.
4	Jasrota	...	12	...	37	...	.....	.....	.....	Chalybeate spring, Woolh ford.	.....	S. G. F. W. procurable, T. available.	Small town and bazar, head quarters of district.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
XIX	<i>ROUTE.—contd.</i>	12 ...	49 .	.....	.....	.....	.....	S. G. F. W. plentiful, T. ample.	Small town and tehsil on right bank of Ravi river.
5	Kuttoah <i>P. O.—</i>	12 ...	61 ...	.....	.....	Ravi ferry.	1137	Ditto	Bazar and canal workshop.
6	Madhopur <i>P. O., D. B., E.—</i>	6 ...	67 ...	Road fit for wheeled traffic during year.	.....	.....	.. ...	Ditto	Bazar and terminus of branch railway from Amritsar.
7	Puthankot <i>P. O., T. O., hotel, C, E.—</i>	8 ...	75 ...	.....	.....	.....	.....	.....	Town and bazar, old fort.
8	Nurpur <i>P. O., D. B., E.—</i>	16 ...	91 ...	Fair weather, cart-road through low hill country, well cultivated.	Across Beas drainage.	Chukee bridge	2050	S. G. F. plentiful, W. scarce and bad, T. ample.	Ancient town.
9	Kotla or Triloknath. <i>P. O., B., E. small.—</i>	14 ...	105 ...	.....	.....	Daira bridge	3184	S. G. F. procurable, water plentiful, T. available.	Village.
10	Shahpur <i>P. O., B., E. fair.—</i>	11 ...	116 ...	.....	.....	Burhal bridge.	3148	Ditto	
			120 ...	.....	.....	Khoul bridge.			
			124 ...	.....	.....	Guj nullah			
				.....	.....	Mauji nullah.			

11	Kangra <i>P. O., D. B., E. fair—</i>	13	...	129	...	.....	.....	.....	2419	S. G. F. W. plentiful, T. ample.	Fort on top of rock 150 feet above Bangunga.
12	Ranital <i>B., C.—</i>	9	...	136	4	.....	.....	.....	.....	S. G. F. W. procurable, T. nil.	Small village.
13	Jualamukhi <i>B., C., E.—</i>	11	4	149	4	.....	.....	Naphtha springs under Changa mountains.	1883 } 3284 }	S. G. F. W. plentiful, T. available.	Small town, celebrated place of pilgrimage.
14	Nadaon <i>P. O., E.—</i>	6	4	156	...	Good road through low hill country, well cultivated, pretty scenery.	Across Beas drainage	Beas ferry Koman nulla.	...	S. G. F. W. plentiful, T. ample.	Small town on left bank Beas.
15	Hamirpur <i>P. O., B.—</i> <i>Mairki Hati</i>	14	2	170	2	.....	Across Sutlej drainage.	.....	.....	S. G. F. after notice, W. plentiful, T. nil.	Village.
16	Dangoh	16	...	186	2	.....	.....	.....	.....	Ditto	Small village.
17	Kunar Hati	8	...	194	2	Fair hill road	.....	Sher Khud	.....	S. G. F. after notice, W. plentiful, T. nil.	Ditto.
18	Belaspur <i>E. extensive.—</i> <i>Bujune</i>	9	...	203	2	Good broad road	.....	Sutlej ferry	.....	S. G. F. W. plentiful, T. available.	Town on left bank Sutlej, bazars.
19	Sahiki Hati <i>Kuniar</i>	21	6	225	...	Road fair with steep ascent. .....	.....	.....	.....	S. G. F. scarce, W. procurable, T. nil. S. G. F. after notice, W. plentiful, T. nil. Ditto	Hamlet. Village. Small village.
20	Sairi <i>B., E. small.—</i>	20	...	245	...	Road fair for laden animals.	Along ridge of spur.	Ghumbar bridge.	.....	S. G. F. W. procurable, T. nil.	Small bazar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XIX	ROUTE.—contd.								
21	Simla <i>P. O., T. O., Kotah, C.— Sanjoli</i>	20	245	.....	.....	.....	7084	S. G. F. abundant, W. scarce, T. ample.	Summer Capital of India. Large town and bazars.
22	Phagu <i>B.—</i>	12	267	Road good, through Tunnel, thick forest, with fine scenery.	.....	.....	8178	S. G. F. procurable, W. scarce in dry season, few coolies.	Small bazar.
23	Sainj	8	275	.....	Across Giri drainage.	Giri ford.	8300	S. G. F. W. procurable few coolies.	Village, Bunniabs' shop half mile off.
24	Dhar or Godhna	7	282	Along top of spur through oak forest.	.....	.....	.....	Ditto	Small village.
25	Patar nala	6	288	.....	Across Tonse drainage.	Giri ford.	9368	S. nil, G. F. W. procurable, T. nil.	Hamlet.
26	Chipal	10	298	.....	.....	.....	7695	S. scarce, G. F. W. procurable, few coolies	Village.
27	Piantra or Kedi	11	309	.....	.....	.....	.....	Ditto	Small village.
		...	311	.....	.....	Shallu ford.	.....	

	Tikri or Pehri	8	317	...	Fair hill road through forests and beautiful scenery through precipitous country.	Across Tonse drainage.	.....	.....	.....	S. scarce, G. F. W. procurable, T. nil. Ditto	Village.
28	Tikri or Pehri	...	317	...	...	Across Tonse drainage.	.....	.....	.....	S. scarce, G. F. W. procurable, T. nil. Ditto	Village.
29	Mandholi <i>B.—</i> <i>Zewni</i>	5	322	...	...	.....	.....	.....	.....	Ditto	Ditto.
30	Maindrot <i>F. B., E. good.—</i>	9	327	...	...	.....	.....	Tonse bridge wire suspension.	.....	S. nil, G. F. W. procurable, T. nil. Ditto, W. far off.	
31	Kutiyan <i>F. B.—</i>	9	340	...	.....	Jakna Leni	.....	.....	.....	Ditto, W. near.	
	Lokur <i>F. B.—</i>	...	346	...	.....	Across Juma drainage.	.....	.....	.....	Ditto, W. near.	
32	Kinanipani <i>E. extensive—</i> Deobun <i>F. B.—</i>	12	352	...	Road good, easy gradient top of ridge between Tonse and Juma.	.....	.....	.....	.....	Ditto.	
33	Chakrata <i>P. O., B.—</i>	15	367	...	.....	.....	.....	.....	7364	S. G. F. W. plentiful, T. ample.	Military Cantonment.
34	Pokri <i>B.—</i> Shevalia <i>D. B.—</i>	9	376	4	Good hill road fit for riding and laden animals.	.....	.....	.....	.....	S. nil, G. F. W. procurable, T. nil. Ditto	Usual halting place.
35	Nagtat	8	384	4	.....	.....	.....	.....	.....	Ditto.	
36	Lakwar <i>B.—</i>	7	391	4	.....	.....	.....	.....	.....	S. G. F. W. procurable, few coolies.	Village.
37	Masuri or Lander <i>P. O., T. O., hotels, C.</i>	17	409	...	Good hill road	.....	.....	Juma bridge iron suspension.	6580 } 7433 }	S. G. F. W. abundant, T. ample.	Hill sanatorium, convalescent depôt, town and bazar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLINGS		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA-LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
XIX	ROUTE—contd.	17	4 409	...					
38	Rajpur <i>P. O., hotels, C.—</i>	7	4 416	4	Metalled cart-road	.....	.....	S. G. F. W. abundant, T. ample.	Small town.
39	Dehra <i>P. O., T. O., hotels, C.</i>	7	... 423	4	.....	.....	2347	Ditto	Military Cantonment, Civil Station, town and bazar.
40	Lachiwala	10	6 434	2	Fair weather, rough cart-road.	Down Ganges drainage.	1680	S. G. F. W. scarce, T. nil.	
41	Kunsrao	8	... 442	2	.....	Suswa ford.	1360	Ditto.	
42	Hardwar <i>P. O., T. O., D. B., C., E.</i>	12	... 454	2	.....	.....	1050	S. G. F. W. abundant, T. ample.	Small town and bazar, celebrated bathing ghat on Ganges river.

XIX^a ALTERNATIVE ROUTE—from JAMMU to PUTHANKOT—

1	Jammu <i>P. O., T. O., D. B.—</i>	0	...	.....	.....	.....	1200	S. G. F. W. abundant, T. ample.	Capital of Jammu State, cantonment, town and bazars.
		1	4	Rough cart-road	Across Chenab drainage.	Tawi bridge.			
		7	...	.....	.....	Balal ford.			
	Bishenath	11	...	.....	.....	.....	.....	S. G. F. W. procurable, T. nil.	Village.
	<i>Keri</i>	...	...	.....	.....	Aik ford.			
		15	...	.....	.....	

2	Bagalsade Chuk...	11	...	22	...	Track across flat, open and cultivated country.	.....	.....	Ditto	Small village.
3	Rajpur	13	...	26	...	.....	.....	Degh ford.	Ditto	Village.
4	Rampur	12	...	35	...	.....	.....	Across Ravi drainage.	Ditto	Small village.
5	Kuttoah <i>P. O.—</i>	13	...	37	...	.....	.....	Beyn ford.	Ditto	Small town and tehsil.
6	Madhopur <i>P. O., D. B., E.—</i>	6	...	47	...	.....	.....	Oojh ford.	Ditto	Bazar and canal workshop.
7	Puthankot <i>P. O., T. O., hotel, C. E.—</i>	8	...	50	...	.....	.....	Ravi ferry.	Ditto	Bazar and terminus of branch railway from Amritsar.
				60	...	.....	.....	.....
				63	...	.....	.....	.....
				66	...	Road fit for wheeled traffic during year.	.....	.....
				74	...	.....	.....	.....

XX JAMMU TO LUDIANA by GURDASPUR and HOSHARPUR—

1	Jammu <i>P. O., T. O., D. B.—</i>	...	...	0	...	Rough cart-road over cultivated country.	Across Tawi drainage.	.....	1200	S. G. F. W. abundant, T. ample.	Capital Jammu State, cantonment, town and bazar.
				1	4	.....	.....	Tawi bridge.			
				6	..	.....	.....	Balal ford.			
				11	...	.....	Across Aik drainage.	.....		
	Bishenath	11	...	15	...	.....	.....	Aik ford.		S. G. F. W. procurable, T. available.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	m.	f.						
XX	ROUTE—contd.	...	...	15	...	...	...	...	...	...
2	Saidgurb	...	12	...	Track across open country.	Across Degh drainage.	.....	.....	S. F. nil, G. W. procurable, T. nil.	Hamlet.
				27	.....	.....	Degh ford.	.....	
3	Zafarwal <i>E. nil.—</i>	...	10	...	Cart-road well raised, nullas overflow during the rains and are difficult to cross.	Across Ravi drainage.	.....	.....	S. G. F. procurable, W. plentiful, T. available.	Large village.
4	Ghurib Shah <i>E. good.—</i>	...	9	4	.....	.....	.....	.....	S. G. F. after notice, W. plentiful, T. nil.	Small village.
				42	.....	.....	Keri river.	.....	
				45	.....	.....	Choa river.	.....	
				49	.....	.....	.....	.....
5	Nurkikot <i>E. good.—</i>	...	9	2	.....	.....	.....	.....	Ditto	Village.
				51	.....	.....	.....	.....
				55	.....	.....	Beyn ford.	.....	
6	Nynakot <i>E. good.—</i>	...	8	3	.....	.....	.....	.....	Ditto	Ditto.
				60	.....	.....	.....	.....
				64	.....	.....	Ravi ferry.	.....	
7	Trimu Ghat <i>E. one mile from river.—</i>	...	5	...	Road metalled and bridged, flat open country, fairly cultivated.	.....	.....	.....	Ditto	On left bank Ravi.
				65	.....	.....	.....	.....

8	Gurdaspur <i>P. O., T. O., D. B., E. good.—</i>	9	6	74	7	.....	.....	.....	S. G. F. W. abundant, T. ample.	Small civil station and railway sta- tion on branch line from Amritsar.
9	Nowshera Ghat.. <i>E. good near river.—</i>	10	2	85	1	Road unmetalled and nullahs un- bridged, good in fair weather; flat, open and well cultivated country, along foot of Sohan range.	.....	.....	S. G. F. procurable in vicinity, W. plenti- ful, T. nil.	On right bank Beas.
10	Mokerian <i>P. O., E. good.—</i>	5	2	90	3	.....	.....	.....	S. G. F. procurable, W. plentiful, T. available.	Small town.
11	Dussohah <i>P. O., E. good.—</i>	9	...	99	3	.....	Across large number of ravines, roads and nullahs from the Sohan hill range.	.....	Ditto	Village. Hence road to Jullunder 37½ miles south.
12	Ghurdeewala <i>E. good.—</i>	7	7	107	2	.....	.....	.....	Ditto, T. nil.	Small village.
13	Hurriana <i>P. O., E. good.—</i>	9	1	116	3	.....	.....	.....	Ditto	Village.
14	Hoshiarpur <i>P. O., D. B., C. E. confined.—</i>	8	4	124	7	Unmetalled road fit for wheeled traffic.	Flowing southwards.	Chow.	S. G. F. W. plentiful, T. ample.	Small civil station.
15	Muhlianah <i>E. good.—</i>	12	...	136	7	.....	.....	.....	S. G. F. W. procurable, T. available.	Village.
				142	...	.....	.....	Beyn ford.		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
XX	<i>ROUTE—contd.</i>	...	...				
16	Phugwara	11	2	.....	Across Sutlej drainage.	.....	.....	S. G. F. W. plentiful, T. available.	Large village and station on N. W. main line.
17	Phillour <i>P. O., T. O.—</i>	11	6	Grand Trunk road and N. W. Railway.	... ..	.....	.....	S. G. F. W. plentiful, T. ample.	Fort, town and station on N. W. main line.
18	Ludiana <i>P. O., T. O., D. B., C.</i> <i>E. confined.—</i>	9	4	.....	.....	Sutlej bridge of boats and ferry. .....	.....	S. G. F. W. plentiful, T. ample.	Large city, civil station and railway station on N. W. main line.

From Zafarwal there is an alternative track to Nynakot thus : Zafarwal 33 miles, Sheikopur Chak 43 miles, Shukargurh 53 miles and Nynakot 61 miles 5 ft. From Gurdaspur there is an alternative route to Hoshiarpur thus : Gurdaspur 74 miles 7 furlongs, Satali 87 miles, Beyt ferry over Beas river 99 miles, Tandah 107 miles, Bulawal 119 miles, Hoshiarpur 129 miles. From Tandah, however, to Hoshiarpur, the road is bad across broken country.

From Tandah 107 miles a branch road by Kalabukra 120 miles, to Jullundur 134 miles.

From Dussobah there is a good branch road to Jullundur thus : Dussobah 99 miles 3 furlongs, Tandah 110 miles 1 furlong, cross Beas river twice, Kalabukra 123 miles 1 furlong, Jullundur 137 miles 1 furlong.

From Hoshiarpur there is a metalled and bridged road to Jullundur thus : Hoshiarpur 124 miles 7 furlongs, Adumppoor 128 miles 1 furlong, Jullundur 149 miles 1 furlong, crossing the Beas bridge at 139 miles.

XXI POONCH to JAMMU by RAJAORI—

1	Poonch P. O., D. B., E.—	...	...	0	...	4	Fair hill road pass- able for laden animals through- out, parts in this section cut up by recent high floods.	Up Suran valley.	..... Dungli bed. Mandi ford. Suran bridge	3300	S. G. F. W. abundant, T. ample.	Town, fort, bazar and capital of Poonch State. Small village.
	Suran B., E.—	...	14	6	...	...	.....	.....	.....	4300	S. G. F. procurable, W. plentiful, T. scanty.	
	Biffing	...	...	16	...	...	.....	.....	Ditto	7000		
		...	...	22	...	...	.....	Mildheri gull.	Ditto	.....	
		...	...	26	...	...	Last mile of ascent steep, descent easy.	.....	.....	.....		Road to Baram- galla.
2	Thanna Mandi B.—	...	16	30	...	...	Old made road in fair order, kept up and in use by traders.	Down Tohi valley left bank.	..... Tohi ford.	4580	S. G. W. F. T. plentiful.	Bazar and trade depôt.
	Sej	...	...	31	...	...	.....	.....	.....	.....		Imperial serai on top of hill.
	Futehpour	...	...	38	...	...	.....	.....	.....	.....		Imperial serai.
		...	...	41	...	...	.....	.....	.....	.....
		...	...	42	...	...	.....	.....	Durhal ford.	.....	
3	Rajaori (Rampur) P. O., B., E.—	...	14	44	...	...	.....	.....	.....	3094	S. G. F. W. T. plentiful	Small town, telstil, bazar, stone built.
		...	...	46	...	4	.....	.....	.....	.....
		...	...	47	...	4	.....	.....	Kandal ford.	.....	
		...	...	50	...	...	.....	.....	Jamoola "	.....	
		...	...	58	...	...	.....	.....	Diloori "	.....	
4	Sialsui B., C., E.—	...	14	58	...	...	.....	Sialsui spur Across Golab- garh drainage.	.....	.....	S. scarce, G. F. W. procurable, T. scanty.	Small village.
		...	...	59	...	...	.....	.....	Golabgarh bridge.	.....	
		...	...	66	...	...	.....	.....	.....	.....
5	Dharmisal B., C., E.—	...	10	68	...	...	.....	Dharmisal spur Across Rud drainage.	.....	.....	S. G. F. procurable, W available, T. scanty.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XXI 6	<i>ROUTE—contd.</i>	10 ...	68 ...	Rough and stony road in crossing both ranges to Aknoor, narrow and steep at the passes.	..... Kalidhar range. Ambi pass. Chenab valley.	Rad bridge. Koonar Kund. Chenab ferry.	1460	S. scarce, W. plentiful, T. nil.	Village one mile distance from Baradari.
	Thandapani <i>B, C, E—</i>	10 ...	78 ...						
7	Choki Chowra <i>E—</i>	12 4	90 4	Rough cart-road after crossing the Chenab river.	Tawi valley.	.....	2150	S. G. F. after notice, W. procurable, T. nil. S. G. F. W. plentiful, T. available.	Halting place. Small town, fort and bazar on right bank Chenab.
8	Aknoor <i>P. O., F. B, C, E—</i>	13 4	104 ...						
9	Jammu <i>P. O., T. O., D. B., C, E.</i>	16 ...	120 ...				1200	S. G. F. W. and T. ample.	Large town, bazar and capital of Jammu State.

This old Imperial road is at present in use for the march of troops.

From Rajaori 44 miles a track branches off eastwards up the Kandal nullah to Piri 56 miles across the Jaoli spur to Obhi on the Ans river 65 miles, and crossing the latter the road goes to Budil 76 miles.

About three miles east of Sialui is a Tatapani or hot spring, which is much frequented locally for cure of rheumatism, &c. There is a coal outcrop close by and others at Kalakot, Seri, Mehugala, &c. in the vicinity. This appears to have been the locality visited by Mr. Vigne and mentioned by him in his book; the place is worth seeing.

XXIIa POONCH TO RAJAORI by BHIMBER GULLI—

Poonch <i>P. O., D. B., E—</i>	0 ...	Fair road to Chilas, stony hill track on ascent to gulli, easy descent. Chilasi gulli	Suran ferry.	3300 4500	S. G. F. W. and T. ample.	Town, fort, bazar and capital of the Poonch State.
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1	<i>Gani</i>	9	...	Good road along the valley passable for laden animals.	Up Mehndur valley right bank.	2800	S. G. F. W. and T. procurable.	Village.
	Sagra	...	12	12	Tatti baoli	Ancient temple in ruins.
2	<i>Mankot</i>	15	Mehndur ford	3100	Ditto	Large village and tehsil.
	<i>Sukhi Sarwar</i>	20	Narayan baoli	4650	Spring pure water
3	Dharmisal	...	9	21	...	Gentle ascent to pass along the Tar ridge and easy descent down Charkot valley, crossing numerous ravines.	Bhimber gully Down Charkot valley	5170	S. and T. precarious, G. F. W. procurable.	Small village.
	<i>E.—</i>	...	12	33	Cross Charkot river several times.	Small town, bazar, tehsil, stone built.
4	Petrara	45	3094	S. G. F. W. and T. plentiful.
	Rajaori	...	12

This route is usually taken in winter when the Milidheri pass 7,000 feet, above Biffiaj, is closed by snow.

The water in this Mehndur valley is not of good quality, though drinkable.

In the first march, the camp can be pitched at Gani about one mile beyond the pass, if preferred. Supplies not procurable, but all else can be furnished.

Good water available at Tatti baoli built by Raja Buldeo Singh and at Narayan baoli built by order of Maharaja Golab Singh.

The ordinary route from Poonch, after crossing the Suran river, follows down the left bank of this river to its junction with the Mehndur river and ascends the right bank of the latter to Sagra, distance 18 miles passable for laden animals.

The hill range between the Suran and Mehndur rivers may be crossed at other gullies, which though higher, give a more direct line between Poonch and Dharmisal.

An alternative route is up the Suran right bank to Suran, where cross river by bridge, ascend the Gerawali pass, and go across three intervening spurs by Parat to the Sangiot gully, thence descend down the Sangiot nala, which falls into the Charkot river, one march above Rajaori.

Cross roads go from Dharmisal northwards to Suran, by Uri and the Gosai pass 5,150 feet, 12 miles long, and by Herin and the Gerawali pass 5,230 feet, 12 miles long; the latter is said to be the best for ponies.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
	Poonch <i>P. O., D. B., E—</i>	...	...	0 ... 4	Fair hill road, pass- able for laden animals through- out. Parts in this section cut up by recent high floods.	Up Suran valley.	3300	S. G. F. W. abundant, T. ample.	Town, fort, bazar and capital of Poonch State.
1	Suran <i>B.—</i>	14	...	14 ... 16	.....	.....	4300	S. G. F. procurable, W. plentiful, T. scanty.	Small village.
	Biftiaj	...	...	22 ... 26	Last mile of as- cent steep, des- cent easy.	Milidheri gully. Down Tohi valley left bank.	7000		
2	Thanna Mandi ... <i>B., C.—</i> <i>Saj</i> <i>Futehpur</i>	16	...	30 ... 31 ... 38 ... 41 ... 42 ... 44 ...	Old made road in fair order, kept up to Naoshera and much used by traders.	..... ..... ..... ..... ..... .....	4580	S. G. F. W. T. plentiful.	Imperial serai, bazar and trade depot. Imperial serai on top of hill.
3	Rajaori (Rampur) <i>P. O., B., E—</i> <i>Moradpur</i> <i>Talmakot</i>	14	...	45 ... 48 ... 54 ...	..... ..... .....	Ditto right bank.	3094	S. G. F. W. T. plentiful.	Imperial serai. Small town, tehsil, bazar, stone built. Old serai in ruins.
4	Chingras Serai ... <i>B., C.—</i> <i>Nadpur Serai</i>	15	...	59 ... 64 ... 67 ... 70 ...	..... ..... ..... .....	..... ..... ..... Chaini spur	2340 2000 2400	S. G. F. W. plentiful, coolies available.	Serai and village. Spring pure water.

XXII POONCH to GUJRAT by RAJAORI—

	Poonch P. O., D. B., E.—	...	...	0 ... 4	Fair hill road, pass- able for laden animals through- out. Parts in this section cut up by recent high floods.	Up Suran valley. .....	..... Dungli bed Mandi ford.	3300	S. G. F. W. abundant, T. ample.	Town, fort, bazar and capital of Poonch State.
1	Suran B.—	...	14 ...	14 ... 16 ...	...	.....	Suran bridge Ditto	4300	S. G. F. procurable, W. plentiful, T. scanty.	Small village.
	<i>Biffaj</i>	...	...	22 ... 26 ...	Last mile of as- cent steep, des- cent easy.	..... Milidheri gully.	Ditto	7000		
2	Thanna Mandi B., C.— <i>Saj</i> <i>Futtehpur</i>	...	16 ...	30 ... 31 ... 38 ... 41 ... 42 ... 44 ...	Old made road in fair order, kept up to Naoshera and much used by traders.	Down Tohi valley left bank. ..... ..... .....	..... Tohi ford. Durhal ford.	4580	S. G. F. W. T. plentiful.	Imperial serai, bazar and trade depôt. Imperial serai on top of hill. Imperial serai.
3	Rajaori (Rampur) P. O., B., E.— <i>Moradpur</i> <i>Talmakot</i>	...	14 ...	45 ... 48 ... 54 ...	..... ..... ..... .....	Ditto right bank. ..... .....	..... Tohi ford. Panda ford.	3094	S. G. F. W. T. plentiful.	Small town, tehsil, bazar, stone built. Old serai in ruins.
4	Chingas Serai B., C.— <i>Nadpur Serai</i>	...	15 ...	59 ... 64 ... 67 ... 70 ...	..... ..... ..... .....	..... ..... ..... Chaini spur	..... Lilali baoli Chopi ford.	2340 2000 2400	S. G. F. W. plentiful, coolies available.	Serai and village. Spring pure water.

5	Naoshera P. O., B., C., E.—	13	4	72	4	Hence the road, though made, has in many parts fallen into bad order, very rocky and stony in crossing both ranges.	.....	Koman Gosha	Janbir "	1800	Ditto	Small town, bazar, serai, fort, tehsil 200 feet above Tohi.
6	Saidabad B., C., E.—	12	4	78	4		.....	Down Bhimber valley.	Crossed river bed 4 times.	2870	S. G. F. W. plentiful, T. available.	Samani village 2 miles off westwards.
7	Mitirai .....	...	...	85	...		.....	Aditak range	Bhimber river	2000	Ditto	
8	Bhimber P. O., B., C., E.—	14	...	92	...		.....	Down Bhimber valley.	forded 6 times.	2800	Ditto	Small town, bazar, head-quarters of district or zillah. Small village.
9	Kotla D. E.—	8	4	95	4		.....	.....	.....	1060	S. G. F. procurable, W. from wells, few coolies.	Larger village.
10	Daulatnagar P. O., D. B.— Gujrat City P. O., T. O., C., E. on G. T. Road—	8	...	100	4		.....	.....	Bhundur ford	980	S. G. F. W. plentiful, T. ample.	Large city and civil station.
	Gujrat Railway Station P. O., T. O., D. B.—	13	4	107	...		.....	.....	.....	.....	.....	On N. W. Railway.

From Bhimber 99 miles there is a tract by Barua 117 miles, Minawur 129 miles, where the Tohi river is crossed by ford or boat, Amirpur 137 miles, Phulkian 143 miles, where the Chenab river is crossed by ferry boat, and a rough cart-road thence to Sialkot 160 miles on the branch railway Wazirabad to Jammu. There are Dāk Bungalows at Phulkian and Sialkot. This route is not recommended, owing to the difficulty of crossing baggage over the quicksands of the Tohi river, over the low inundated country between Minawur and Amirpur, and over the five branches of the Chenab met between Amirpur and Phulkian, two of which are deep, after which the Chenab river has to be crossed.

From Daulatnagar 115 miles 4 furlongs there is a cross-country road eastwards by Julalpur 126 miles, over the Chenab ferry at Muhatah 136 miles to Sialkot, 150 miles from Poonch.

Imperial serais of the Mogul period are met with at Thanna Mandi, Sai, Futtahpur, Rajaori in ruins with garden and Baradari on the opposite bank of the river, Moradpur in ruins, Chingas, Narya in ruins, Nadpur, Naoshera with Baolilagh, Koman Gosha Choki, Saidabad with garden and remains of stone bund or dam across river and at Bhimber. At Naoshera, there are inscriptions on stone tablets on north side of the Baoli well and over the entrance gateway to Serai fort.

The bungalow of four rooms at Suran, Thanna, Rajaori (Baradari), Chingas Serai, and Naoshera are in fair order. that at Saidabad is at present in bad order, that at Bhimber requires much repair, the Dāk Bungalows at Kotla, Daulatnagar and Gujrat are excellent.

At one mile west of Saidabad on the road to Samani, an ancient Hindu temple in ruins called Dera may be seen with a platform and stone wall enclosure.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XXIII POONCH to LALA MUSA by KOTLI—									
	Poonch <i>P. O., D. B., E.—</i>	...	0 ...	Rough hill road, very stony, passable for mules, steep ascent to Saira; thence over rugged broken ground difficult in places to Kotli.	Down Poonch valley left bank.	Suran ferry. Mendola ford.	3300	S. G. F. W. abundant, T. ample.	Village and thanna.
1	Saira <i>B.—</i>	16 ...	13 ...	Good road over fine plain, well cultivated, passable for laden animals.	.....	.....	2950	S. G. F. procurable, W. from river, T. available.	Large village, bazar and tehsil.
2	Kotli <i>P. O., B., E.—</i>	14 ...	28 ...	.....	Up Ban valley.	Neli ford.	1980	S. G. F. plentiful, W. from spring, T. ditto	Town, fort, bazar and capital of the Poonch State.
	<i>Dunna</i>	...	36 ...	.....	.....	Ban ford. .....	.....	W. scarce.	Hamlet.
3	Koireta	16 ...	46 ...	.....	.....	.....	2450	S. G. F. procurable, W. from wells, T. scanty.	Large village, encamp at Guri Ziarat.
	<i>Bundal</i>	...	52 ...	.....	.....	.....	.....	.....	Hamlet.
4	Dhurnsala	12 ...	58 ...	Fair hill road over easy slopes.	.....	Waterfall	2700	S. G. F. scanty, W. from nullah, few coolies.	Ditto.
	<i>Makri</i>	...	61 ...	.....	Panch Pir gulli.	.....	2925	.....	.....

5	Saidabad <i>B, C, E.—</i>	...	21	...	79	...	Fine cultivated plain, steep ascent and descent over Aditak range, rocky and stony; cart-road hence; Kotla cut up by first section to rains, thence a fair weather road to the railway without bridges.	Down Samani valley. Aditak pass. Down Bhimber valley. Bhimber ford.	..... Samani ford. Bhimber ford- ed 6 times. Bhimber ford.	2000 2800 1060 980 	S. G. F. W. plentiful, T. available. Ditto S. G. F. procurable, W. from wells, few coolies. Ditto S. G. F. W. T. available	Samani, large vil- lage and thanna, distant 2 miles. Custom house. Small town, bazar and head-quarters of zillah. Small village. Large village. Junction Station of Salt range branch, on N. W. Railway.	
	<i>Mitret</i>	...	...	...	85	...							
6	Bhimber <i>P. O., B. C, E.—</i>	...	14	...	93	...							
7	Kotla <i>D. B.—</i>	...	8	4	101	4	...						
8	Daulatnagar <i>D. B.—</i>	...	8	...	109	4	.....	.....	.....	.....	980	Ditto	Large village.
9	Lala Musa <i>P. O., T. B., E.—</i>	...	9	4	119	...	.....	.....	Bhimber ford.	.....	.....	S. G. F. W. T. available	Junction Station of Salt range branch, on N. W. Railway.

From Makri 61 miles there is a cross hill track to Mirpur about 24 miles distant, which passes the Castle of Kambir at the 2nd mile. For mile 70, there is a shorter road down the rocky bed of the Samani river to Samani, and over the plain to Saidabad, which shortens this march by 3 miles. This way is, however, quite impassable for laden animals. Half way between Sumani and Saidabad are the remains of an ancient Hindu temple called Dera.

From Bhimber 93 miles, there is a track by Pindi and along the eastern foot of the Pabbi range, about 20 miles in length, to the Kharian Station on the N. W. Railway or 113 miles from Poonch. This avoids any crossing of the Bhimber river, and is used in the rainy season. At Kharian there is a road Bungallow, a serai, good encamping ground, and supplies are plentiful.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XXIV POONCH TO JHELUM by KOTLI and MIRPUR—									
1	Poonch	...	0 ...	Rough hill road very stony, steep ascent in steps to Saira; thence over rugged broken ground to Kotli, passable for mules, but difficult in places.	Down Poonch Toi or Palasta left bank.	Suran ferry. Mendola ford	3300	S. G. F. W. abundant, T. ample	Town, fort, bazar and capital of Poonch State.
	Saira	16 ...	13 ...		.....	.....	2950	S. G. F. procurable, W. from river, T. available.	Village and thanna.
2	Kotli	14 ...	30 ...	Very rough hill road not passable for baggage animals.	.....	.....	1980	S. G. F. plentiful, W. from springs, T. available.	Large village, bazar and tehsil.
	Barari	...	36 ...		.....	Ban ford.		S. G. F. scarce, W. from spring, T. nil.	Hamlet.
3	Goalpur	12 ...	42 ...	Riding pony can be led by taking detours. Most of these 3 marches must be done on foot.	.....	.....	.....
	Trochi fort	...	43 ...						
	Narh	...	44 ...			Mamuli ford.			
		...	48 ...	.....				
4	Radan	15 ...	57 ...	.....	.....	.....	.....	S. G. F. scarce, W. plentiful, few coolies.	Village.
	E.—	...							

5	Chamukh	...	9 ...	66 ...	Fair hill road pass- able for laden animals over stony ground.	Leave valley and cross Mirpur plateau. Balar pass	Poonch ferry	1118	Ditto	Large village.
6	Mirpur	..	10 ...	76 ...			.....	1236	S. G. F. W. plentiful, T. available.	Small town, bazar and tehsil.
7	Katiali	...	13 ...	89 ...	Rough cart-road	Jhelum valley	Jhelum ferry	.....	S. G. F. scarce, W. plentiful, T. nil.	
8	Jhelum	..	10 ...	99 ...	.....	.....	.....	765	S. G. F. W. abundant, T. ample.	Cantonment, civil station, city and head-quarters of district.

This is the line that would probably be taken by a cart-road or railway, if one be ever made between Poonch and Jhelum.

From Poonch, after crossing the Suran river, there is a direct track to Kotli crossing two hill ranges by the Chilasi gulli and Nilidheri-ki gulli and the Mehndur river between at Mankot. The Chilasi gulli is 4,500 feet, the Mehndur river crossing 2,700 feet, and the Nilidheri-ki gulli 4,195 feet above the sea. The distances from Poonch are Chilasi gulli 5 miles, Mankot 15 miles, Nilidheri-ki gulli 18 miles, and Kotli 30 miles. From the 43rd mile a road ascends up the Mamuli valley by Bal to Dharmasala about 20 miles in length.

From Mirpur 76 miles, there is another track to Mangla ferry under the old fort on the Jhelum river, 87 miles, and a road thence to the Dina Station on the N.-W. Railway 97 miles from Poonch.

XXV POONCH to JHELUM by SENSAR and TANGROT -

	Poonch <i>Note</i>	...	...	...	0 ... 7	Rough hill track, very stony throughout to	Down Poonch valley right bank.	..... Baoli.	..... Baoli	3300	S. G. F. W. T. abundant.	T. T.	Town, fort, bazar and capital of Poonch State. Hamlet
1	Ser <i>E. on Kai bed</i> <i>Mendol</i>	...	...	...	9 2 10 ... 15 ...	Tangrot, and diffi- cult in places for laden mules, which, however, can get through;	..... ..... .....	..... Kai ford Baoli	..... Hot springs Sarsawa ford	2830 2630 2460	S. G. F. W. T. procurable.	T. T.	Old ruined temple called Dera. Large village, hot springs in lime- stone rocks on edge of Poonch river.
2	Tai <i>E. on Poonch bed</i>	...	...	...	... 20 ... 27 ... 36	the ascent and descent over the Chumba pass is most trying.	..... Chumba gully .....	.....	.....	2170 3900 2000	Ditto 150° Fahr.		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
XXV	<i>ROUTE—contd.</i>	...	...	36	...					
3	Sarsawa <i>E.— Novi Brunan</i>	17	..	37	...	.....	Baoli	2500	Ditto	Large village and bazar.
		...	...	40	...	.....	Karnoti ford	2100		
		...	...	43	...	Baroi pass	Baoli	3158		
4	Sensar <i>E.— Chock</i>	10	...	47	...	.....	Ditto	2300	Ditto, W. scarce in Jammu.	Village and shop.
		...	...	51	...	Khaira gully	.....	2936		
		...	...	54	...	.....	Baoli	2650		
	Biari <i>E.— Dadial</i>	12	...	59	...	.....	Ditto	1492	S. G. F. T. scarce, W. indifferent.	Hamlet.
		...	...	66	...	.....	.....	1200	....	Small bazar.
	Tangrot <i>D. B.—</i>	15	...	74	...	Chana spur.	Jhelum ferry	1000	S. G. F. W. T. procurable.	Junction of Poonch and Jhelum rivers.
7	Shikarpur <i>E.—</i>	12	...	86	...	.....	.....	.....	Ditto	Hamlet.
8	Jhelum <i>P.O., T.O., D.B., C.E.</i>	13	...	99	...	.....	.....	765	S. G. F. W. T. abundant.	Cantonment, civil station, town, head-quarters of district and station on N.W. Railway.

This route follows the right bank of the Poonch, Toi or Palasta river down to its junction with the Jhelum at Tangrot and crosses the Jhelum by a boat ferry. Good fishing at Tangrot and in many places up the Poonch river to Poonch. From Tangrot, small and large boats can be floated down the rapids of the Jhelum river to Jhelum City.

At Tai hot springs there is a boat ferry, by which people can cross to left bank and join the road to Kotli, distant 8 miles.

From Sarsawa and Sengar are also roads to Kotli, distant 6 and 12 miles respectively.

From Sarsawa 41 miles there is a track north-west by Tara Kila to the Owen ferry on the Jhelum in length 16 miles, another west to the Salgraon ferry over the Jhelum 59 miles, thence to Kolar 77 miles, and to Mandra Railway Station 88 miles, and a third to the Danguli ferry over Jhelum, thence by Bewal to Gujar Khan Railway Station.

From Shikarpur 86 miles, there is a cart-road 6 miles long to Dina Station on N.-W. Railway.

XXVI POONCH TO RAWUL PINDI by LUCHMUN BATEA—

	Poonch <i>P. O., D. B., E.—</i> <i>Note Ser</i>	...	...	0	Rough hill tract, very stony, passable for laden animals.	Down Bitarh valley. Up Kaivaly. Up Palungi valley. Cross spur	Bitarh ford. Baoli. Baoli. Kai ford. Tilni ford.	3300 2830 2900 3200 5330 4510	S. G. F. W. and T. ample. S. G. F. moderate, W. plentiful, few coolies. Ditto Ditto	Town, fort, bazar and capital of Poonch State. Post and hamlet fort on ridge. Village. Ditto and thanna. Village. Ferry post. Village.
1	<i>Dwarand</i> <i>Haira</i> <i>E.—</i> <i>Palungi</i>	...	...	7 9 12 15	...	...	...	...	...	...
2	<i>Nar</i> <i>E.—</i> <i>Nehrian</i> <i>Betora</i>	...	11	26 28 29 35	Track has fallen out of order, and has become very difficult for laden animals. ..... .....	..... Tangi gully Across head Sarsawa valley. Cross ridge	..... ..... Nehrian ford Runga ford.	5130 5760 5030 3800 4250	Ditto Ditto Ditto	..... Ditto Ditto
3	<i>Palandri</i> <i>E.—</i> <i>Bhatea</i>	...	14	40 49	Track covered with loose boulders; old made road on British side, right bank Jhelum, quite out of repair and difficult for laden animals.	..... ..... ..... .....	..... ..... Jhelum ferry .....	..... ..... 1480 2600	..... Ditto Ditto	..... Ditto Ditto
4	<i>Luichmun Patun</i> <i>E. very small—</i> <i>Soha</i>	...	10	51 59	..........	..........	..........	..........	..........	..........

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XXVI	ROUTE—contd.	...	59 ...	Steep zigzag ascent to Soha, whence fair track to Kahuta.	Panjar watershed.	.....	2650	S. G. W. scarce, F. plentiful, T. nil.	Hamlet.
5	Panjar E.— Duberni	12 ...	63 ...	.....	Down Ling and Sohan valleys.	.....	2096		
6	Kahuta P. O., B., E.—	8 ...	71 ... 72 ...	Rough cart-road .....	.....	Ling ford.	2050	S. G. F. W. T. plentiful.	Large village and bazar.
7	Siala E.—	11 ...	82 ... 84 ... 90 ...	..... ..... Joins G. T. road	.....	Ling ford. Sohan bridge.	.....	S.G.F.W. procurable, T. nil.	Village and station on N.-W. Railway.
8	Rawul Pindi P. O., T. O., D. B., Hotels, C., E.—	12 ...	94 ...	.....	.....	.....	1700	S. G. F. W. T. abundant.	Large cantonment, fort, civil station, city, head-quarters of district and station on N.-W. Railway.

There are other routes from Poonch to Luchmun Bates, the foregoing is said to be the most direct and crosses two hill spurs at Nehrian and Palandri. There is another way in better order and passable in summer from Hazira 15 miles 3 furlongs by Sudnuti tehsil, Haila 24 miles, village where S. G. F. W. and T. procurable, Danna 6,500 feet, to Palandri 37 miles, which is used by camels, &c.

An alternative route might from Haila 24 miles ascend the Tilni nullah to its source at Girhali 28 miles, cross the pass just above this place, descend into the Goon valley by Garar fort to Lajana 34 miles, and follow this river down to its junction with the Jhelum river, one mile above Luchmun Batea, 45 miles from Poonch. This line, as far as the Goon valley, would also be on the most direct route from Poonch to Murree crossing the Jhelum river at the Rampatun ferry beneath Kofli on the British side.

Near Panjar 63 miles, this road passes south of and under the Nerh plateau, a fine site for a military sanitarium.

From Kabuta 71 miles a cart-road runs south direct to Mandra Station on the N.-W. Railway, 1,695 feet and 91 miles from Poonch. It passes by Chinam 78 miles, 2,208 feet, Pindorian 81 miles 4 furlongs, 2,031 feet and Bhata 86 miles 4 furlongs, 1,779 feet above the sea.

XXVII POONCH to ABBOTTABAD by MURREE—

There are several tracks between Poonch and Murree and two routes hence to Abbottabad.

The easiest route at present crosses the Kai gulli to Parl, descends down the Kein nullah to Raoli in the Mal or Bagh valley and follows down this river to its junction with the Jhelum near Dhara ferry, where the road crosses the Jhelum and rises up to Murree.

	Poonch <i>P. O., D. B., E.—</i>	...	...	0 ...	Rough hill track, very stony and difficult in places for laden animals. Very steep and stony ascent to pass.	Down Bitarh valley. Up Swan or Kai valley. Kai gulli. Down Kein valley. Down Mal or Bagh valley. .....	.....	3300 2830 3200 5530 5225	S. G. F. W. T. ample. S. G. F. moderate, W. plentiful, few coolies. S. G. F. W. T. available	Town, fort, bazar and capital of Poonch State. Post and hamlet. Cluster of villages on extensive plateau, well cul- tivated.
1	<i>Ser</i>	...	...	9	2	.....	.....	.....	.....	.....
	<i>Hazira</i> <i>E.—</i>	...	...	15	3	.....	.....	.....	.....	.....
2	<i>Parl</i> <i>E.—</i>	...	...	12	5	.....	.....	.....	.....	.....
	<i>Raoli</i>	...	...	36	...	.....	.....	.....	.....	.....
	<i>Mal</i>	...	...	40	...	.....	.....	.....	.....	.....
3	<i>Mangh</i> <i>E.—</i>	...	...	44	...	.....	.....	.....	.....	.....
		...	...	58	...	.....	.....	.....	.....	.....

Wide valley, well
cultivated.

Ditto

Mal ferry.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XXVII ROUTE—contd.									
4	Dhulkot <i>E. very small—</i>	16	60	Steep, rough, stony approaches to ferry on both sides of Jhelum river.	Cross Jhelum valley.	.....	.....	S. G. F. W. scanty, T. nil.	Fort.
	<i>Dhara</i>	...	62		.....	Jhelum ferry	1677.		
5	Dhanda	10	70	Fair road made to Murree.	Along the Kotli spur to Murree.	.....	.....	S. G. F. W. scanty, T. nil.	Small village.
6	Murree <i>P.O., T.O., Hotels, C., E.</i>	13	83	Good hill road along the top of range and down the spur, passable for laden animals throughout.	Along the range of gullies and down the spur to Bagnota.	.....	7000	S. G. F. W. plentiful, T. ample.	Military and Civil Sanitarium, town and bazar.
7	Chungla gulli <i>D. B.—</i>	10	93			.....	8200	S. G. scarce, W. and F. moderate, T. nil.	Military post.
8	Dunga gulli <i>D. B.—</i>	9	102		.....	.....	7600	Ditto	Ditto.
	<i>Kalabagh</i>	...	107		.....	.....	7190.		
9	Bagnota <i>D. B.—</i>	12	114		Across head of Dor drainage.	.....	4800	Ditto	Small village.
			115		.....	Kala Nuddee	3663.		
10	Abbottabad <i>P.O., T.O., D.B., C., E.</i>	10	124		.....	.....	4166	S. G. F. W. and T. abundant.	Cantonment, Civil Station, town, bazar and headquarters of district.

Another route goes from Poonch to Kohala 74 miles (see Route XXVIII), and after crossing the Jhelum bridge, either joins the cart-road 27½ miles long to Murree (Sunny bank), or rises straight up the spur by Nuttia gulli to Dunga gulli 15 miles or 89 miles from Poonch. This last march is practicable only for lightly laden coolies.

A third route to Murree, by Parl and Mangh, crosses the Jhelum by the Kwadra ferry, and rises up the Bīrgraon nullah to Murree. This is not passable for laden mules.

A fourth route to Murree, also by Parl 28 miles and Mangh gala 40 miles, crosses the Jhelum river by the Rampatan ferry 52 miles, and rises up the hill range to Parana 64 miles and Murree 76 miles from Poonch. This is passable for laden mules.

A fifth route might be made from Poonch up the Swan and Palungi valleys, over the Girhali pass to Lajana 34 miles, then follow down the Goon river to its junction with the Jhelum, ascending the latter to Rampatan 48 miles, where cross this river by the ferry boat and rise up the Kotli spur by Kotli to Murree 72 miles from Poonch.

For lower road between Murree and Abbottabad—See Route IXa.

A new water-supply has recently been added at Murree.

XXVIII POONCH to MOZUFFERABAD by KOHALA—

	Poonch <i>P. O., D. B., E.—</i>	...	...	0 ...	Rough hill track, very stony and difficult in places for laden animals.	Down Bitarh valley.	Bitarh ford.	3300	S. G. F. W. T. ample	Town, fort, bazar and capital of Poonch State.
	<i>Ser</i>	...	...	9 2	.....	Up Swan or Kai valley.	.....	2830		
1	Hazira <i>E.—</i> <i>Dethan</i>	...	15 3	15 3	.....	Kai gulli Down Kein valley.	.....	3200	S. G. F. moderate, W. plentiful, few coolies.	Post and hamlet.
	Parl <i>E.—</i>	...	12 5	20 ... 24 ... 28 ...	Steep ascent to pass. .....	.....	.....	5530 5225	S. G. F. W. T. available	Cluster of villages on extensive plateau, well culti- vated.
2	<i>Raoli</i>	...	...	36 ...	Fine plateau and good road to Prat then rocky steep descent and after crossing Kein river, easy gra- dient to Raoli and Arja.	Across Mal valley.	Kein ford. Mal bridge.	3250 2920		
3	Arja <i>E.—</i>	...	20 ...	40 ... 48 ... 59 ...	.....	Tirkot neck	.....	2840 5150	S. G. F. W. moderate, T. available.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
XXVIII ROUTE—contd.										
4	Chumiatti	...	15	...	59	...	.....	4870	S. G. F. W. moderate, T. available.	Village.
5	Kohala P. O., T. O., D. B.—	...	11	...	74	...	.....	1916	S. G. F. W. procurable, T. after notice.	Small bazar and customs post.
6	Dulai D. B.—	...	12	...	86	...	Agar bridge	2029	Ditto	Hamlet.
	Dumel P. O., T. O., D. B., E.	...	9	2	95	2	Jhelum bridge.	2225	S. G. F. W. plentiful, T. available.	Bazar.
7	Mozufferabad C.—	...	1	6	97	...	.....	2344	Ditto	Small town and head-quarters of district.

From Dethan 20 miles, a detour can be made northwards over the Neja gulli, crossing the Rankot stream, one of the principal affluents of the Mal river, at Koteri, and coming down the Mal valley by Bagh, a large village and tehsil, to Raoli, in length about 24 miles.

From Arja there is another hill track northwards over the Rangia pass, which descends down the Agar valley by Danna and joins the Jhelum cart-road at the Agar bridge, in length about 27 miles, thus shortening the distance to Mozufferabad.

XXIX POONCH to HATIAN or CHAKOTI by BAGH—

	Poonch	...	...	0 ...	Rough hill track, very stony and passable for mules.	Up Tat valley	Bitarh ford.	3300	S. G. F. W. T ample.	Town, fort, bazar and capital of Poonch State.
1	Tat	...	10 ...	10 ...	Steep ascent and descent over pass.	Taoli pass.	.....	.....	S. nil, G. F. moderate, W. plentiful, T. nil.	Fort.
2	Ramkot	...	14 ...	24 ...	Fair hill road	Down Mal valley right bank.	.....	.....	S. G. F. moderate, W. plentiful, few coolies.	Small village.
3	Bagh	...	12 ...	36 ...	.. ..	.....	.....	.....	S. G. F. W. plentiful, T. available.	Large village and tehsil.

Hence, there are two routes, firstly, over the Tok pass to Hatian ; secondly, over the Kalan pass to Chakoti or Uri.

FIRSTLY—

3	Bagh	...	...	36 ...	Rough hill track with difficult places and passable for mules.	Up Malwan valley.	.....	.....	.....	Pir Panjal range.
4	Timberkot	...	13 ...	46 ...	.....	Tok pass	.....	.....	S. and T. nil, G. F. W. moderate.	Small village.
5	Hatian	...	9 ...	58 ...	Join Jhelum cart-road.	Down Hatian nullah.	.....	3000	S. nil, G. F. moderate, W. plentiful, few coolies.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
3	Bagh	...	36 ...	Rough hill track with difficult places and passable for mules.	Up Malwan valley. Kalan pass.	.....	.....	.....	Pir Panjal range.
4	Kilana	...	49 ...	.....	Down Opi nullah.	.....	.....	S. G. F. W. plentiful, coolies available.	Residence of Raja of Kilana.
5	Opi	...	55 ...	Join the Jhelum cart-road.	Jhelum valley	.....	3700	S. G. F. W. moderate, T. available.	Small village.
5	Chakoti	...	59 ...	.....	.....	.....	4390	Ditto	Fort, tehsil and village, large plateau, well cultivated.
	or	...	65 ...	.....	.....	.....		W. scarce, T. difficult.	
5	Uri	...	65 ...	.....	.....	.....

Both the Tok and Kalan passes are on the Pir Panjal range, while further east between the Pir Kantha and Bisari peaks, there are two more passes at the head of the Mal valley above Barikot and Rahkot, which lead down the Islamabad nullah by Sing to Uri. These two paths are used only by shepherds and woodmen in the summer and autumn. The ascent on Poonch side is steep, the descent on the Kashmir side is gradual, and the road from Sing to Uri could be improved. The total distance from Poonch to Uri would be about 45 miles and 40 miles respectively.

SECONDLY—

XXX POONCH to SRINAGAR by HAJI PIR PASS—

	Poonch <i>P. O., D. B., E—</i>	...	...	0	...	Road very rough and stony in bed of river except- ing 3 miles over Daigwar plateau and last 2 miles into Kahuta. Fair road hence to Aliabad.	Up Bitarh valley. .....	..... Bitarh ford.	3300	S. G. F. W. T. ample	Town, fort, bazar and capital of Poonch State.
1	Kahuta <i>B., E—</i>	...	10	...	10	...	Up Gungi valley. .....	.....	4560	S. G. F. W. moderate, T. available.	Village.
2	Aliabad Serai <i>E.—</i>	...	7	...	13 17	4 ...	..... Steep ascent to pass very stony and descent very rocky.	Gungi ford.	6700	S. G. F. after notice, W. plentiful, T. nil.	Hamlet.
3	Haidrabad <i>E. very small—</i>	...	7	...	20 23 24	4 4 ...	Haji Pir pass Down Namila valley.	..... Namila ford.	8500 6000	Ditto	Pir Panjal range. Hamlet.
4	Uri <i>E. confined—</i>	...	10	...	34 36	...	Road into Uri excreable, most troublesome to laden animals. Join the Jhelum cart-road, bridged and metalled to Baramulla.	..... Namila bridge.	4390	S. G. F. procurable, W. scarce, T. difficult.	Village on fine plateau, well culti- vated, fort and tehsil.
5	Rampur <i>E.—</i> <i>Bhunnar</i>	...	13	4	47	4	.....	.....	4900	S. G. F. W. moderate, a few coolies.	All supplied by Nawab of Bhun- nial.
6	Baramulla <i>E.—</i>	...	15	4	49 50 63	...	..... Cart - road under construction to Srinagar.	..... Harpet-kai bridge.	5000. 5175	..... S. G. F. W. plentiful, T. after notice.	Old Panchiah temple. Town, bazar and tehsil.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
7	Patan <i>E. with chunar trees—</i>	16 ...	79 ...	.....	.....	.....	5200	S. F. G. T. available, W. from springs.	Village, 2 fine Mahadeo temples in ruins.
8	Srinagar <i>P. O., T. O., C., E.—</i>	19 ...	98 ...	.....	.....	Amiri Kadal over Jhelum.	5235	S. G. F. W. and T. abundant.	Large city, cantonment, bazars, palaces of H. H. Maharaja and capital of Kashmir State.

This was one of the Imperial roads in the Mogul period.

From Poonch there is an alternative track up the Sudroon valley by Nanganari, over the Hardumba pass, which is about the same height as the Haji Pir pass, and down the western branch of the Namila nullah, by Haidrabad to Uri. The distance is about the same as the foregoing route, the length between Nanganari and Haidrabad is at present quite unfit for laden animals.

Both these passes are closed by snow in winter, December to March inclusive, and are liable to avalanches, when the snow melts. From Baramulla, travellers usually take boat up the Jhelum river, starting about mid-day to Sopoor 14 miles, where there is a Rest-house, and supplies are plentiful, and extra boatmen can be obtained for crossing the Woollar Lake, or to Ningul 16 miles at the entrance of the Woollar Lake. The boats leave at 3 A.M. in the morning to cross the Woollar Lake and avoid the high wind which generally sets in sudden squalls any time after 11 A.M. The high waves are then dangerous to these flat-bottomed boats. An ordinary boat will generally reach Shadipur in the evening and stay the night. Leaving early next morning the boat will arrive at Srinagar about mid-day. Total distance by river and lake from Baramulla about 60 miles, by river and canal about 48 miles.

When the river is high, the Noru Canal between Shadipur and Ningul is navigable, and the boats can travel through by this short cut reaching Srinagar in about 24 hours.

XXXI POONCH to BARAMULLA by PAJJA PASS—

	Poonch <i>P.O., D. B., E.—</i>	...	...	0 ...	Road for half the march very stony up bed of river, is passable for mules throughout.	Up Bitarh valley.	..... Bitarh ford. Gungi ford.	3300 4560 4300	S. G. F. W. T. ample, S. G. F. W. moderate, T. available.	Fort, town, bazar and capital of Poonch State. Village.
1	Kahuta <i>B., E. small—</i>	...	10 ...	6 ... 10 ...	Very rough and stony but of easy gradient.	.....	.....	4560	S. G. F. W. moderate, T. available.	
2	Kalamulla <i>E. very small—</i>	...	10 ...	20 ...	The ascent and de- scent of this pass are both very steep and slip- pery. There is a second ascent and descent over the Tilpatoo spur down to Gager- hil, whence easy path to Bhunniar, where Jhelum road is joined.	Pajja pass Tilpatoo spur Down Harpet- kai valley.	..... ..... Harpet-kai bridge.	6050 10000 9300	S. G. F. moderate, W. plentiful, few coolies.	Cluster of villages. Pir Panjal range.
3	Gagerhil <i>E. very small— Maidan Trekhan</i>	...	15 ...	35 ... 37 ... 40 ...		.....	.....	6100	S. after notice, G. F. W. plentiful, T. nil.	Hamlet.
4	Bhunnier <i>Hospital—</i>	...	8 ...	43 ..		Up Jhelum valley.	Harpet-kai bridge.	5000	Ditto	Residence of Nawab of Bhun- nial. Old Buddhist Temple.
5	Baramulla <i>P.O., T.O., D. B., E.—</i>	...	14 ...	57 ...	.....	.....	.....	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar and tehsil.

This route is usually closed after the first fall of snow in November until the end of April, and avalanches are frequent on the snow melting. There is another pass westwards about 4 miles called Dunt, under the Badaori peak, which is used by shepherds only. The approach on the Poonch side is most precipitous, while that on the Kashmir side winds round the flank of the Badaori peak on to the Tilpatoo spur, descending the latter to Gagerhil. The Dunt pass is slightly higher than the Pajja pass. The nulla which drains from Dunt into the Harpet-kai river was covered by a snowbridge 4 miles long in August, showing that immense avalanches must fall into it from the Badaori peak across the path to Tilpatoo.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	* RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XXXII POONCH to BARAMULLA by GAJAN PASS —									
1	Poonch <i>P. O., D. B., E. —</i>	...	0 ... 6 ...	Very stony road in the bed of the Bitarh for half this march.	Up Bitarh valley.	..... Bitarh ford.	3300	S. G. F. W. T. ample	Town, fort, bazar and capital of Poonch State.
	Kahuta <i>H., E. —</i>	10 ...	10 ... 11 ... 18 ...	The track though stony improves, and is passable for laden animals.	..... ..... .....	..... Gungi ford Kalamulla ford.	4560 4300 5160	S. G. F. W. moderate, T. available.	Village, 200 feet above Bitarh river. At Koongulla.
2	Palan <i>E. small —</i>	11 ...	21 ... 25 ...	Hence men only can travel on foot, owing to difficulty of fording the Bitarh bed.	..... Up Sakrala valley.	..... Cross Bitarh numerous fords.	5640	S. and T. nil, G. F. W. plentiful.	Hamlet.
3	Hillun <i>E. in fields —</i>	6 ...	27 ... 35 4	Easy gradient, all the way up to the pass and down the other side, practicable for laden animals.	..... Gajan gulli	..... .....	6300 9135	S. moderate, G. F. W. plentiful, T. available.	Village.
4	Gajan <i>E. small —</i>	10 ...	37 ...		Down Harpet-kai valley.	.....	.....	G. F. W. plentiful, S. and T. nil.	Glade in forest.

5	Gaggerhil <i>E. small—</i>	...	8	...	45	...	Good road down this valley.	.....	Harpet-kai bridge.	6100	Ditto S. after notice	Hamlet.
	<i>Maidan</i>	..	...	...	47	...	.....	.....	Ditto	.....	•	Residence of Nawab of Bhun- nial.
	<i>Trekan</i>	...	...	...	50	...	.....	.....	.....	.....	S. & T. after notice, G. F. W. plentiful.	Old Buddhist Temple.
6	Bhunnial <i>Hospital, E. small—</i>	...	8	...	53	...	Joins Jhelum road	Up Jhelum valley.	Ditto	5000	S. & T. after notice, G. F. W. plentiful.	Town, bazar and tehsil.
7	Baramulla <i>P.O., T.O., D.B., E</i>	...	14	...	67	...	.....	.....	.....	5175	S. G. F. W. plentiful, T. after notice.	

Above Hillun, there is a splendid plateau called Maira 6,500 feet situated at the fork of the Nilkanta and Sakrala rivers, which united form the Bitarh river.

The Gajan pass is about 3 miles east of the Pajja pass, 10,000 feet, and is the lowest point in this part of the Pir Punjal range. Half-way between them is the Durbut gulli, very steep on the Poonch side at the head of the Pent nullah, which falls into the Bitarh river near Palan. The approaches to the Gajan pass on both sides are through lovely and wild scenery.

The encamping ground at Gajan is at the foot of both passes Gajan and Pajja, and there are two roads from it to Gaggerhil. One over the Jabar plain and Tilpatoo spur is fit for beasts of burden, the other descending down the Gajan nullah and Harpet-kai river is fit for men only. A sharp descent brings it to Toong 6,800 feet on the Harpet-kai river, which it follows by Somali 6,630 feet with bridge to Chotali 6,430 feet, a small basin above a rocky gorge. To avoid the latter the path surmounts a spur 7,300 feet and descends to Gaggerhil 6,100 feet.

From Toong 41 miles, a track crosses the Harpet-kai river by a ford and rises straight up the steep spur opposite to a ledge 10,000 feet at the foot of the Sellar peak. It then flanks the western face of this mountain crossing the Marpatra pass 10,580 feet at the northern end 48 miles, and goes eastwards to Lilian Marg 9,400 feet and 53 miles, whence a number of tracks diverge.

I. The approach from Toong just mentioned.

II. To Trekan in the Harpet-kai valley, where the Nawab of Bhunnial resides, 9 miles long.

III. To Bhunnial at the mouth of this valley 12 miles long.

IV. To Naoshera on the Jhelum road 10 miles long.

V. To Sher on the Jhelum road down the Kechana valley by Nambal, 12 miles long.

VI. To Baramulla on the Jhelum road by Murun and Gohan 17 miles long or 70 miles from Poonch.

VII. To Gulmarg 10 miles or 63 miles from Poonch.

VIII. To Hillun back over the Jharni gulli at the head of the Harpet-kai valley and down the Jharni nullah, which falls into the Sakrala about Hillun at the 29½ mile from Poonch.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.	m.	f.	m.	f.		
XXXII POONCH TO GULMARG by NILKANTA PASS —									
	Poonch <i>P. O., D. B., E.—</i>	...	0 ...	Very stony road in bed of Bitarh for half this march.	Up Bitarh valley.	..... Bitarh for l.	3300	S. G. F. W. and T. ample.	Town, fort, bazar and capital of the Poonch State.
1	Kabuta <i>B., E.—</i>	10 ...	10 ... 11 ...	The track though stony improves, and is passable for laden animals.	..... .....	..... Gungi ford	4560 4300	S. G. F. W. moderate, T. available.	Village 300 feet above river.
2	Palan <i>E. small—</i>	11 ...	21 ...	Hence men only can travel on foot owing to difficulty of crossing Bitarh bed.	.....	Cross Bitarh river several times.	5640	S. and T. nil, G. F. W. plentiful.	Hamlet.
3	Hillun <i>E. in fields—</i>	6 ...	27 ...	Rough and rugged track, rocky and steep to top of pass.	Up Chunwara valley.	.....	6300	S. moderate, G. F. W. plentiful, T. available.	Village.
4	Dangar Allan <i>E. small plain—</i>	5 ...	32 ...	.....	.....	Cross Chunwara bed often.	7260 11930	S. and T. nil, G. F. W. plentiful.	Small grassy terrace. Pir Panjal range.
5	Pharpat Marg <i>E.— Kilaa Marg—</i>	12 ...	44 ... 47 ... 51 ...	The descent on the Kashmir side is easy with a fair path to Gulmarg, over the Apharwat shoulder of the Pharpat peak.	..... ..... Apharwat spur.	..... ..... .....	..... 12000. 11000.	W. and G. available.	

6	Gulmarg F. O., T. O., Hotel, E.	10	54	8500	S. and T. moderate, in season, W. distant G. F. ample.	Sanitarium and bazar in season.
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Above Hillun in the fork of the Nilkanta (Chunwara) river and Sakrala, there is a fine plateau called Maira, a splendid encamping ground. There are two gullies on the Nilkanta ridge, the north one is said to be bad and precipitous, the south one should be taken. Neither are fit for ponies. This route is open during four months of the year, July to October inclusive, as soon as the rivers subside after the melting of the snow. On the Poonch approach, the rivers have to be forded in numerous places. It is seldom used, and travellers now prefer the route by the Firozepur pass which is shorter and easier.

XXXIII POONCH TO SRINAGAR by FIROZEPUR PASS—

	Poonch F. O., D. B., E.—	...	...	0	...	Good road passable throughout for laden animals.	Up Suran valley.	..... Up Mandi valley. .....	..... Dungli bed. Mandi bridge.	3300	S. G. F. W. T. ample.	Town, fort, bazar and capital of Poonch State.
1	Mandi or Koondah E. small— Gagri lower	...	13	2 6	4	..... ..... .....	..... .....	..... .....	..... Loran "	5000	S. G. F. W. plentiful, T. available.	Large village and tehsil. Summer residence of Raja of Poonch.
2	Gagri upper E.—	10	...	23	...	Steep ascent to pass on Poonch side and easy descent on Kashmir side.	..... Firozepur pass Down Palats valley.	..... .....	..... .....	12000	S. nil, G. F. W. moderate, T. scanty.	Cluster of villages.
3	Banabali Nag Drung	12	...	35	...	.....	.....	.....	Banabali Nag or Kontar Nag.	.....	S. and T. nil, G. F. W. plentiful.	Lake.
4	Firozepur E.—	11	...	46	...	Road enters an highly cultivated plain.	Down Bahun valley.	.....	Bahun ford.	.....	S. and T. scarce, G. F. W. plentiful.	Two ancient temples in ruins. Large village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
5	XXXXII ROUTE—contd. Magam <i>B, E. very small—</i> <i>Narbal</i>	11	46	Joins the Srinagar and Gulmarg road, and crosses low swampy ground.	.....	.. ..	.....	S. and T. moderate, G. F. W. available.	Small village.
		12	58		.....	Suknag bridge.	.....	
		...	64		.....	Amiri Kadal over Jhelum.	5235	S. G. F. W. abundant, T. ample.	Large city, Hari Parbat fort, cantonment, summer palaces of H. H. Maharaja and Court, Residency, capital of Kashmir State.
		16	74		.....			
6	Srinagar <i>P. O., T. O., C., E.</i>								

This route is open during four months of the year July to October inclusive.

At Mandi there is no encamping ground. It is usual to camp either at Koonah, when ascending higher up the Mandi valley or at Rajpur near, when ascending the Loran valley.

A detour can be made through another gully south of the Firozepur pass by the Kontar Nag, which lengthens the route to Banabali Nag by 2½ miles. From this latter lake a track branches northwards by Barzatah 38 miles, joins the Nilkanta pass route at 40 miles and passing over the Apharwat shoulder 12,000 feet of the Pharpat peak 14,500 feet goes by Killan Murg 11,000 feet, to Gulmarg 8,500 feet, and 50 miles from Poonch.

Travellers for Gulmarg can go from the pass direct to Barzatah, 15 miles from Gagri upper, avoiding the lake if they intend taking this upper route, or go to Banabali Nag, whence they can follow the Palats river down to its junction with the Bahun river along the foregoing road and 2 miles beyond on the left bank, whence strike up the face of the hill to Gulmarg 50 miles from Poonch.

From Firozepur 46 miles a track branches northwards by Baba Marishi 7,000 feet 50 miles and Kontra 55½ miles, to Baramulla 67 miles, passable for laden animals.

From Kontra another road of easy descent leads down the Ningul valley by Minagam, Wogam and Natpur to Sopoor 5,185 feet and 70 miles from Poonch. Sopoor is the head-quarters of Zillah Kamraj.

XXXIII. GAGRI to SRINAGAR by ZAMIR PASS—

2	Gagri lower	...	...	21	...	The ascent of this pass on the Poonch side is steep and rugged, fit for men only. On the Kashmir side the descent is easy, and from Dunwas the track is fair, though it crosses low and swampy ground about Syboog, liable to inundation in the high floods of the Jhelum river.	Up Zamir valley. Zamir pass Across Bahun drainage. Down Suknag valley. Across Hokar-sar swamp.	Mandi bridge Bahun ford. Suknag bridge. Amiran Kadal over Jhelum.	..... 13470 5235	S. nil, G. F. W. moderate, T. scanty. S. and T. nil, G. F. W. available. Ditto S. F. T. scanty, G. and W. available. Ditto S. G. F. W. abundant, T. ample.	Cluster of villages. Marg. Tower. Village. Ditto. Large city, fort, bazars, and capital of Kashmir State.
3	Shinamani E.—	...	11	32	...						
4	Dunwas E.— Badrkot	...	9	41	...						
5	Aripatan E.—	...	14	55	...						
6	Syboog	...	10	65	...						
7	Srinagar P. O., T. O., C., E.—	...	8	73	...						

At the 26th mile from Poonch a track branches off in a south-east direction over the Tosha Maidan pass 29 miles and descends by the Damam Sar to the Tosha Maidan 40 miles, an extensive Marg, the resort of numerous herds of cattle, ponies, sheep, &c. in the summer and autumn—See next Route XXXIV. Hence a track goes northward down the Bahun valley, through Vehnar to the Dunwas tower 50 miles.

XXXIV POONCH to SRINAGAR by TOSHA MAIDAN PASS—

8	Poonch P. O., D. B., E.—	0	...	Good road passable throughout for laden animals.	Up Suran valley.	3300	S. G. F. W. T. ample.	Town, fort, bazar and capital of Poonch State.
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NUMBER OF MARCHES	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XXXIV ROUTE—contd.									
1	Mandi or Rajpur P. O., E.—	13	...	.....	Up Loran valley right bank.	Mandi bridge	5000	S. G. F. W. plentiful, T. available.	Large village and teshil. Summer residence of Raja of Poonch.
	Birah	...	20	.....	.....	.....	.....	.....	Dak deserted in winter.
2	Sultan Patri E.—	12	...	The ascent over the Phulwaran spur to the top of pass is rather steep, while the descent is gentle over an extensive plateau covered with good pasture, the scenery is beautiful.	Mineagol China marg.	.....	12500 12000	S. and T. nil, G. F. W. moderate.	
3	Tosha Maidan	16	...	.....	.....	Danam Sar. Gaditir Nag ford.	10000	S. and T. nil, G. F. W. available.	Grazing ground.

<i>Zainigam</i>	...	...	48 ...	...	...	Across Suknag and Jhelum drainage.	.....	.....	Large village.
4 Watrehel <i>E.—</i>	...	13 ...	54 ...	...	...	The road crosses low and swampy ground liable to inundation.	.....	S. G. W. available, F. and T. moderate.	Large city, fort, bazar and capital of Kashmir State.
5. Srinagar <i>P. O., T. O., C., E.—</i>	...	14 ...	68 ...	...	...	.....	Amiran Kadal over Jhelum.	5235	S. G. F. W. abundant, T. ample.

This appears to be the most direct route from Poonch to Srinagar. The pass is fairly easy without obstructions, and is usually open from June to the first fall of snow in November.

At the 37th mile, instead of crossing the stream, which flows from the Gaditur Nag, the traveller may branch off due east across the Koot Nag stream, south of the Lalashah Alum peak, cross the Suknag river by a bridge 43 miles and follow down this valley on the left bank by Ringazabal 48 miles and Urzal to Watrehel 70 miles. The scenery down the Suknag valley surpasses that on the other route. Tosha Maidan is an extensive marg on undulating ground at the summit of the Pir Punjal, is frequented in summer and autumn by herds of all kinds of cattle, ponies, mules, sheep and goats for grazing. The scenery on all the approaches is beautiful, and the views from the edges of the marg or from the peaks on it are fine.

XXXIV^a MANDI to SRINAGAR by NURPUR and SANGSOFED PASSES—

1	Mandi or Rajpur <i>E.—</i> <i>Biarah</i>	...	...	13 ...	...	Good road to Nurpur passable for laden animals.	Up Loran valley. Up Dali Nar valley.	.....	5000	S. G. F. W. plentiful, T. available.	Large village and tehsil.
2	Batulkot <i>E.—</i>	...	10 ...	23 ...	...	.....	.....	.....	.....	S. and T. nil, G. F. W. plentiful.	Small village of iron miners.
3	Nurpur	...	8 ...	31 ...	...	Ascent to pass steep and difficult in places, descent is also sharp and difficult. T r a - versed by laden animals.	Nurpur pass Down Yechara valley.	..... Kala Sar. .....	..... 13610	Ditto Ditto	Iron working. Bam
4	Doodhi Patri <i>E.—</i>	..	16 ...	47 ...	...	.....	.....	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
XXXIV a ROUTE—contd.									
6	Dragam	16 ...	47 ...	Good road hence along the well cultivated plain. .....	.....	.....	.....	S. and T. moderate, G. F. W. available.	Village.
	Yechgam	14 ...	61 ...		A cross Jhelum drainage.	.....	.....	S. G. F. W. and T. available.	Large village.
		... ..	65 ...			Dudh Gunga bridge.	...		
6	Srinagar P.O., T.O., C., E.—	14 ...	74 ...	.....	.....	Amiran Kadal over Jhelum.	5235	S. G. F. W. abundant, T. ample.	Large city, fort, bazars and capital of Kashmir State.
		14 ...	75 ...	.....	.....		

At the 29th mile, a path strikes up over the Chorgulli pass, a most difficult and rugged ascent, and descends by the Bagh Sar to the Suknag valley above Ringazabal.

At the 33rd mile, a track branches off southwards over the Sangsofed pass 36 miles and descends across two spurs into the Sangsofed valley to Frasnag 48 miles, and continues to Nilnag near Gogipatri 58 miles; thence by Surus and Dragaon to Yechgam 73 miles, and to Srinagar 83 miles from Poonch.

After accomplishing the rather steep ascent to this pass, there is a fair road downwards to Gogipatri, and a good road hence to Srinagar. These three passes are open only during four months of the year, July to October inclusive. The Nurpur pass is said to be the easiest of the three for beasts of burden.

XXXV POONCH TO ISLAMABAD OR ANANT NAG BY PIR PUNJAL PASS—

POONCH P. O., D. B., E.—	...	...	...	...	Good road, practicable for laden animals through-out.	Up Suran valley right bank.	..... Dungh bed. Mandi bridge.	3300	S. G. F. W. T. ample.	Town, fort, bazar and capital of Poonch State.
		0 ...	2 ...	4 ...						
		6 ...								

	Suran B.—	14	14	14	.....	Ditto left bank.	Suran "	4300	S. G. F. & T. moderate, W. plentiful.	Village.
2	Baramgalla B.—	12	26	27	Road along stony bed of Chittapani for half this march with numerous cross- ings of the stream, steep ascent to Foshi- ana.	.....	..... Suran bridge.	5800	Ditto	Small village.
3	Chandisar	...	28	36	Up Chittapani valley.	Up Nilana valley.	Alatopa "	8140	S. and T. nil, G. F. W. moderate.	Ditto deserted in winter.
4	Alahad Serai B., C., E.—	11	41	47	Severe climb to top of pass over fair road. Easy descent by good road.	Pir Punjal pass. Down Rem- biara valley.	.....	11400 10100	Ditto	Old serai built by the Mogul Emperors. Tower. Sheds in forest.
5	Dubchi	...	48	55	.....	.....	.....	9700	.....	.....
6	Hirpura B., E.—	12	56	59	Valley widens and opens out into the plains of Kashmir.	.....	Rembiara bridge.	7760	Ditto	Scattered village.
7	Shuplyon P. O., E.—	8	67	82	Good road across a highly cultivated plain.	Across Veshau and Jhelum drainage. .....	.....	6714	S. G. F. W. and T. plentiful.	Town and tehsil.
8	Kulgam E.—	15	91	94	.....	.....	.....	.....	S. G. W. and T. plentiful, F. scanty.	Large village.
9	Kashimoo	...	91	94	.....	.....	Veshau bridge	.....	.....	.....
10	Kanabal	...	94	94	.....	.....	Jhelum "	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XXXV	ROUTE—contd.								
8	Malamabad or Anant Nag P. O., T. O., C., E.—	...	94 4	.....	Across Veshan and Jhelum drainage.	.....	5450	S. G. F. W. and T. plentiful.	Town, bazar, tehsil and head-quarters of zillah.

This route is usually open from the 1st May to the middle of November. Storms and keen winds are frequent on this high pass. Travellers should avoid crossing in bad weather, and should start about dawn to get over the pass before the wind rises.

At Chandimar 28 miles, two tracks branch out, one north-east over the Chhoti gulli pass 14,090 feet (see Route XXXVa), and the other south-east over the Mastan pass 13,780 feet.

The latter track rises up the Puran spur to the Mastan pass and descends to the foot of the Pir Punjal pass, being about 3 miles longer than the ordinary road.

From Poshiana 36 miles, a track branches up the Chittapani valley to its head over the Chittapani pass 14,540 feet and 44 miles, and descends down the Kachgul valley by Upper Sangarwini 56 miles, and Pakapura 68 miles, to Chrar 73 miles. This pass is said to be difficult and bad for laden animals.

From Dubchi 55 miles, there is a path by Phudar 61 miles, to Pakapura 72 miles, and Chrar 77 miles from Poonch.

XXXVa BARAMGALLA TO SRINAGAR by CHHOTI GULLI PASS—

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
3	Baramgalla B., E.—	...	26 ...	Road good and passable throughout for laden animals.	Up Suran valley. .....	.....	5800	S. scarce, F. G. and T. moderate, W. plentiful.	Village on elevated plateau.

<i>Chandimar</i>	...	...	28	...	...	...	Ascend Alatopa spur of Pir Panjal range and continue along the top of this ridge.	.....	.....	.....	.....	Iron works and village.
<i>Alahuri</i>	...	...	30	...	...	...	.....	.....	.....	.....	.....	Halting place.
<i>Baramuri</i>	...	...	34	...	...	...	.....	.....	.....	.....	.....	Ditto on spur.
3 <i>Hilich E.</i>	...	10	36	4	...	Good road up to pass. Gradual descent from pass.	.....	.....	.....	S. and T. nil. G. F. W. plentiful.	.....	Halting place at head of valley.
4 <i>Doodur Marg E.</i>	...	13	4	50	...	.....	Chhoti gulli	.....	14090	Ditto	.....	Pasture ground.
5 <i>Surus E.</i>	...	13	63	...	...	.....	Down Sangsofed or Dudh Gunga valley on right bank.	.....	.....	S. precarious, T. nil, G. F. W. available.	.....	Small village.
6 <i>Kralpoora E.</i>	...	14	77	...	...	Road emerges from the hills on to the well-cultivated plain of Kashmir.	.....	Dudh Gunga.	.....	S. G. F. W. moderate, T. nil.	.....	Village.
7 <i>Srinagar P. O., T. O., C., E.</i>	...	8	84	...	...	.....	.....	Dudh Gunga.	5235	S. G. F. W. abundant, T. apple.	.....	Large city, fort and capital of Kashmir State.

At feet of the Chhoti gulli pass on the Kashmir side at mile 44 a track turns to the east and follows down the Kachgul valley to Pakapura 64 miles, Chrar 69 miles, Nagam 74 miles, Walthor 78 miles, and Srinagar 87 miles from Poonch.

Or joining the track from the Chittapani pass it follows the same Kachgul valley by Upper Sangarwini 56 miles, to Pakapura 68 miles, and so on.

At mile 60, instead of going down the valley to Surus, there is a track eastwards to Gogipatri 62 miles, and to Chrar 68 miles.

The Chhoti gulli pass is of very gradual ascent and descent, and is the easiest of all the roads into Kashmir, though open only from July to October inclusive. All the approaches to it on the Kashmir side have grass, wood and water in abundance, and are quite passable for laden animals. The single road on the Poonch side has access to grass, wood and water in the valley below the Alatopa spur. Food-supplies must be taken through from Poonch or Srinagar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORTE AT STAGES.	REMARKS.
		INTER- MEDIATE. m.	TOTAL. m. f.						

XXXVI SRINAGAR to JAMMU—See *Routes XII* by Pir Punjal Pass 11,400 feet 169 miles.
XIII " Budil " 14,120 " 130 "
XIV " Golabguruh or Kuri " 12,530 " 147 "
XV " Banihal " 9,200 " 155 " 4 furlongs.

XXXVII SRINAGAR to SIALKOT by BUDIL PASS—

Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0 ...	Good made road along the culti- vated plain to Wahlor, whence fair road onwards to Shupiyan, crossing the boul- der beds of rivers.	Up Dudh Gunga valley right bank.	Amiran Kadal	5235	S. G. F. W. abundant, T. ample.	Capital of Kashmir State, cantonment and fort, large town and bazar. Temple of Moha- raja Golab Singh. Large village.
<i>Rambagh</i>	...	...	2 ...	.....	.....	.....	.....	.....	.....
<i>Kralpara</i>	...	...	6 4	.....	.....	.....	.....	.....	.....
Wahlor <i>Khasper</i> <i>C.—</i>	...	9 ...	9 ...	..... .....	Across west- ern drainage of Upper Jhelum valley.	.....	.....	S. G. F. W. procurable, S. nil, G. F. W. T. available.	Ditto. Halting place.
Ramn <i>B., E. confined—</i>	...	9 ...	17 ... 18 ...	..... .....	..... .....	Ranchu ford. .....	.....	S. G. F. and W. procurable, T. available.	Village on Ranchu river, bungalow destroyed by fire, room in old charmsala.

1

2

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS:		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XXVII. ROUTE—(contd.)									
9	Chele or Jandi ...	...	79 ...	.....	.....	Nar ford	.....	S. G. F. W. procurable, T. nil.	Village.
		11 ...	90 ...			.....	4000		
		...	92 ...	Steep and stony descent.	Chele gala				
10	Poni E.—	8 ...	98 ...	.....	.....	.....	2000	S. G. F. W. plentiful, T. available.	Large village and State garden.
		...	100 ...	.....	Dal gala.	Poni ford.			
		...	101 4	Stair ascent	.....	Katundrā ford			
		...	103 ...	.....	.....		
		...	106 ...	.....	Jendar gala.				
11	Jandrai Kapaion- ke beoli ...	8 4	106 4	Stony road	.....	....	2000	S. and T. nil. G. and F. plentiful, W. scarce.	Resting place in jungle.
12	Aknoor Kaneli Chut	7 4	114 ...	Rough road pass- able for laden animals.	Down Chenab valley.	Chenab ferry	1142	S. G. F. W. plentiful, T. available.	Small town, fort and bazar.
		...	120 ...						
13	Gujjanso	12 ...	126 ...	Rough cart-road along open culti- vated plain to Sialkot.	.....	.....	.....	S. G. F. T. scanty, W. plentiful.	Small village.
		...	133 ...			Tawi ferry.			
14	Chaprar	10 ...	136 ...	.....	.....	.....	.....	S. G. F. T. after notice, W. plentiful.	Village.

15	Slalkot	...	13	...	149	829	S. G. F. W. and T. abundant.	Military cantonment, civil station, town, fort, bazar and head-quarters of district.
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Between Shupiyon and Budil, two alternative loop routes are available.

Firstly, up the valley of the Veshau river to its source the Konsa Nag 13,000 feet, a large lake of great sanctity and frequented by pilgrims, over the pass of the same name 13,250 feet, down the Chuniperal valley and across the Beberi spur range to Budil, the marches being through Sedau 5 miles, crossing the Veshau river near the falls of Haribal 24 miles, Kungwattan 7 miles, Konsa Nag 10 miles, Pass 3 miles, Nundkot 6½ miles, Beberi ridge 4 miles, and Budil 5 miles. Total 43 miles.

Secondly, up the Rembiara valley to Aliabad Serai, thence crossing a spur ridge and up the Rupri valley to the mountain lakes which form its source; hence are 2 tracks over the Rupri pass 13,620 feet, one down the Lakial and Putsar spur, crossing the Beberi range to Budil, the other down the Panchgabbher or Upper Ans valley to Budil; the marches from Shupiyon being up the Pir Punjal road to Hirpura 8 miles, and Aliabad Serai 13 miles; thence to Rupri 10 miles, Rupri pass 5 miles, Boorjarj 5 miles, Kundi 10 miles, and Budil 13 miles. Total 63 miles.

All these 3 passes Budil, Konsa Nag and Rupri are usually closed by snow from the first fall in November to the end of May. From Budil a cross road westwards connects Rajaori and Kotli, the marches being Kundi 13 miles, Piri 6 miles, down Kundul valley and across Tohi river to Rajaori 12 miles, up Charkot valley to Ajeemgurh pass 10 miles, down Ban valley to Koireta 16 miles, and to Kotli 16 miles. Total 73 miles.

From Ponj are cross routes eastwards to Riassi 10 miles, crossing the Chenab river at the Talwara ferry at the 8th mile, and westwards to Thandapani 14 miles, and to Naoshera 20 miles further.

From Aknoor, there is a rough cart-road eastwards, 16 miles to Jammu, half way is Nagbani, where are the stud stables of the Jammu State.

XXXVIII SRINAGAR to GUJRAT by PIR PUNJAL PASS—OLD IMPERIAL ROUTE—

Srinagar P. O., T. O., C., E.—	...	...	...	...	Good made road along the cultivated plain to Wahtor and fair road onwards to Shupiyon, forming the boulder beds of rivers and with bridges over small nullahs.	Up Dudh Gunga valley right bank.	Amiran Kadal	5235	S. G. F. W. abundant, T. ample.	Capital of Kashmir State, cantonment and fort, large town and bazars. Temple containing ashes of Maharaja Golarab Singh. Large village.
Rambagh	...	...	2	...	...	.....	.....	.....	.....
Kralpura	...	...	6	4	...	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE.	TOTAL.						
		m.	f.						
XXXVIII ROUTE—(contd.)									
1	Wahtor <i>Kharpur</i> <i>C.—</i>	9	13	.....	Across Western drainage of Upper Jhelum valley.	..... Ramchu ford.	.....	S. G. F. W. procurable	Large village, halt- ing place.
2	Ramru <i>B., E. confined—</i>	9	18	.....	.....	.....	.....	S. G. F. W. procurable, T. available.	Village on Ramchu river. Bungalow destroyed by fire, room in old dhurmsala. Old Imperial serai
	<i>Shakju mary</i>	.....	22 25	..... .....	..... .....	..... Mankund ford.	.....	.....
3	Shupiyon <i>P. O., B., E.—</i>	11	29	..... From Shupiyon the old made road has got out of order to Baram- galla and is diffi- cult in places, though passable for laden animals. The scenery is very beautiful.	..... Up Rembiara valley.	..... Rembiara ford.	6715	S. G. F. W. and T. ample.	Town, bazar and tehsil.
4	Hirpura <i>B., C., E.—</i>	8	37	.....	.....	.....	7700	S. procurable, G. F. W. plentiful, few coolies.	Small village on right bank Rem- biara.
	<i>Dabchi</i> <i>B.—</i>	.....	40 41	.....	.....	..... Rembiara.	.....	.....
	<i>Sut Serai</i>	.....	42	.....	.....	.....	.....	.....	<i>Shakot</i> on right bank.
5	Aliabad Serai <i>B., C.—</i>	12	49	.....	.....	.....	10000	S. and T. nil, G. F. W. plentiful	Halting place.

6	Poshiana <i>C., E. on house tops—</i>	11	...	54	...	...	Pir Punjal pass. Down Chittapani or Suran valley.	.....	.....	11400	.....	S. W. scarce, G. F. plentiful, T. nil.	Shelter hut on pass. Village deserted in winter.
7	Chundimar	...	...	60	...	...	.....	.....	.....	8150	.....	.....	Village and iron works.
	Barangalla <i>B., C.—</i>	8	4	68	4	...	.....	.....	.....	5800	.....	S. scarce, G. F. W. plentiful, few coolies.	Small village and fort in deep gorge near confluence of Purnai nullah and Suran river.
				74	...	...	.....	.....	.....	8200	.....	.....	Village on right bank Tohi, salt depot. On top of hill.
8	Thana Mandi <i>B., C., E. small—</i>	10	4	79	...	...	Old made road in fair order to Nao- shera and much used by traders.	Down Tohi valley left bank.	.....	4580	.....	S. G. F. W. plentiful, T. available.	
	<i>Saj Serai</i>	...	...	87	...	...	.....	.....	.....	.....	.....	.....
	<i>Futtehpur Serai</i>	...	...	90	...	...	.....	.....	.....	.....	.....	.....
9	Rajaori (Rampur) <i>P. O., B., C.—</i>	14	...	92	...	...	.....	.....	Durhal ford.	3094	.....	S. G. F. W. plentiful, T. ample.	Town and bazar, well built on right bank Tohi. R. opposite on left bank.
	<i>Moradpur Serai</i>	...	...	93	...	...	.....	Down Tohi valley along right bank.	Tohi ford bridge unfinished.	.....	.....	.....
	<i>Talmakot</i>	...	...	94	...	...	.....	.....	Panda ford.	.....	.....	.....
		...	...	97	...	...	.....	.....	.....	.....	.....	.....
		...	...	103	...	...	.....	.....	.....	.....	.....	.....
10	Chingas Serai <i>B., C.—</i>	15	...	108	...	...	...	.....	.....	2340	.....	S. G. F. W. plentiful, coolies available.	Serai and village.
	<i>Nadpur Serai</i>	...	...	113	4	...	.....	.....	Lilali baoli Chopi ford.	2000	.....	.....	Spring pure water.
		...	...	116	...	...	.....	.....	.....	.....	.....	.....
11	Naoshera <i>P. O., B., C., E.—</i>	13	4	119	...	...	Hence the road though made, has fallen into bad order in many parts and become very rocky and stony in crossing both ranges.	Chaini spur Koman Gosha	..... Janbir ford Forded river bed 4 times.	2400 1800 2870	Ditto		Small town, serai fort, tehsil and bazar.
		...	...	121	4	...	.....	.....	.....	.....	.....	.....
		...	...	127	...	...	.....	.....	.....	.....	.....	.....
12	Saldabad <i>B., C., E.—</i>	12	4	134	...	...	.....	Down Bhimber valley.	..... Samani ford.	2000	.....	S. G. F. W. plentiful, T. available.	Samani village 2 miles off west- wards.
		...	...	135	4	...	.....	.....	.....	.....	.....	.....
		...	...	141	...	...	.....	Aditak range.	.....	2800	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
XXXVIII ROUTE—(contd.)									
	<i>Mitret</i>	..	141 ..	.....	.....	Bhimber river forded 6 times.	1060	S. G. F. W. plentiful, T. available.	Small town, bazar, head-quarters of zillah.
13	Bhimber <i>P. O., B., C., E.—</i>	14 ..	148 ..	.....	.....	.....	.....	S. G. F. procurable, W. from wells, few coolies.	Small village.
14	Kotla <i>D. B.—</i>	8 4	156 4	Cart-road hence cut up in places to Kotla: fair, dry weather, road unmetalled and unbridged to Gujrat over which ekkas and tongas can travel.	Down Bhimber valley.	Bhimber ford.	980	Ditto	Large village.
15	Daulatnagar <i>P. O., D. B.—</i>	8 ..	164 4 170 ..	.....	.....	Bhimber ford.	.....	{ S.G.F.W. plentiful, T. ample. }	{ Large city and civil station on N.-W. Railway. }
16	Gujrat City <i>P. O., T. O., C., E. on G. T. road—</i>	..	176 ..	.....	.....	.....	.....
16	Gujrat Railway Station. <i>P. O., T. O., D. B.—</i>	13 4	178 ..	.....	.....	.....	.....

From Aliabad Serai 49 miles, there are alternative Routes over the two Durhal passes as under, both passable for laden animals.

Aliabad Serai 49 miles up the Indili valley to its source the Nundin Sar 58 miles, over the first Durhal pass 13,080 feet, 59 miles, down by Nilsar to Beloh, 63 miles in the Puran valley, thence crossing the Ratan Pir range at 64 miles, the road drops to Durhal 69 miles, and to Rajaori 83 miles.

The other route from Aliabad Serai crosses the spur ridge between the Indili and Rupri rivers, and ascends to Rupri 59 miles, and Bhagsar 61 miles, over the second Durhal pass 13,460 feet and 62 miles, and drops to Beloh 67 miles, where it joins the first route towards Rajaori.

The Pir Punjal pass is open from May to about the middle of November, the two Durhal passes are open only from July to end of October. The route over the first Durhal pass is said to be the easiest to travel when the rivers are low and fordable.

From Barangalla 68 miles 4 furlongs, a good road goes west down the Suran valley by Suran 80 miles, to Poonch 94 miles. There are 7 bridges over the Suran river, and the passage of traffic depends upon these being maintained in good order.

From Rajasori 93 miles, there is a cross road through the hills to Kotli, it ascends the Charkoh valley to the Ajeemguruh pass 103 miles, and descends down the Ban valley to Koireta 119 miles, and to Kotli 135 miles.

From Bhimber 148 miles, a road goes direct S.-W. under the Pubbi hills to the Kharian Railway Station 168 miles, and is used in the rainy season to avoid any crossing of the Bhimber river.

From Daulatnagar 164 miles 4 furlongs, a road goes westwards crossing the Bhimber river at 174 miles to the Lala Musa Railway Station 174 miles, and another goes eastwards by Julalpur 175 miles, to Sialkot 199 miles, crossing the Chenab river by the Muhutah ferry at 185 miles.

XXXIX	SRINAGAR to POONCH	— See Route—XXX	by Haji Pir	Pass 8,500 feet,	98 miles.
		XXXI	" Pajja	" 10,000	" 92 "
		XXXIa	" Gajan	" 9,135	" 102 "
		XXXIII	" Firozepur	" 12,000	" 74 "
		XXXIIIa	" Zamir	" 13,470	" 73 "
		XXXIV	" Tosha Maidan	" 12,500	" 68 "
		XXXIVa	" Nurpur or Sangsofed	" 13,610	" 75 "
		XXXVa	" Chhoti gulli	" 14,090	" 83 "

In May and June the Haji Pir or Gajan route should be selected; in July to October inclusive, the Firozepur, Tosha Maidan and Nurpur routes are shortest, while the Chhoti gulli is the easiest of all, and the Pir Punjal route is the longest. There is lovely scenery with fine views on every route, the Gajan, Tosha Maidan and Pir Punjal being perhaps superior in this respect. From November to April, all these routes are, as a rule, closed by snow, while in April, when the snow melts, they are all liable to *avalanches* of snow, especially on the Haji Pir, Pajja, Firozepur and Zamir passes.

XL SRINAGAR to RAMPUR by GULMARG—

Srinagar P. O., T. O., C., E.— Purana Chowri Narbal	...	...	...	0	...	Good road to Purana Chowri, thence narrow raised bank through swamps, very muddy and slippery after rain to Magam.	Amiran Kadal Dudh Gunga bridge. Suknag bridge.	5235	S. G. F. W. T. abundant.	Capital of Kashmir State, large city, &c.
1 Magam B., E. small—	...	16	...	16	...	...	.....	.....	S. G. F. T. procurable in season, W. plentiful.	Small village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m.	TOTAL. m. f.						
XL	ROUTE—(contd.)	16	...						
2	Gulmarg P. O., T. O., hotel, E.	14	...	Good road hence to Gulmarg, though stony in places.	.....	.....	8500	S. and T. moderate in season, W. distant, G. F. ample.	Sanitarium and bazar in season.
3	Linian marg E.— Nowshera Bhunnar	10	...	Fair road through alternate pine forest and marg down to Nowshe- ra, where it joins the Jhelum cart- road.	.....	.....	9400	S. and T. nil, G. F. W. ample.	Shepherd's huts.
		...	49		.....			...	Ancient Buddhist temple.
		...	52		.....	Harpetkai bridge.	5000	S. G. F. W. moderate a few coolies.	All supplied by Navab of Bhun- nair.
		...	53		.....	.....	
4	Rampur P. O., T. O., D. B., E.	14	...		.....	.....	4900		

There is another track from Srinagar to Gulmarg across the Hokarsar swamps to Syboog 8 miles, Hardu 16 miles, where the Suknag river is crossed by a ford, Khundahama 18 miles, Firozpur 26 miles, Gulmarg 30 miles. At Firozpur several streams of the Bahun river have to be crossed. There is no advantage in this route, and during the rainy season the swamps and Bahun streams are often unfordable.

XL. SRINAGAR to GULMARG via PATAN—

Srinagar P. O., T. O., C., E.—	...	...	0	...	Carriage road un- der construction to Patan.	.....	Amiran Kadal Dudt. Gunga bridge.	5235	S. G. F. W. T. abundant.	Capital of Kashmir State, large city, &c.
	...	...	2	...		.....	

<i>Harprat</i>	...	...	13	...	.....	.....	Suknag bridge.	.....
<i>Hanji pur</i>	...	...	16	..	.....	.....	Hanji pur bridge.	.....
Patan <i>E.—</i>	...	19	...	...	Good mule track over Karewah land and through pine forest to Gulmarg.	...	S. G. F. T. available, W. from spring.	Village and ancient ruins.
<i>Chandesar</i>	...	...	26	4	...	.....	.....	.....
<i>Baba Marishi</i> <i>B, C, E.—</i>	...	...	34	...	...	.....	S. G. F. W. procurable, T. nil.	Mahomedan shrine.
Gulmarg <i>P.O., T.O., hotel, E.—</i>	...	17	...	36	...	.....	S. T. moderate in season, W. distant, G. F. plentiful.	Sanitarium and bazar in season.

This though longer is likely to become the favourite land route as soon as the carriage road between Srinagar and Patan to Baramulla is finished. Visitors will drive in their carriage or tongas to Patan in 3 hours and either rest there, when a bungalow is built for the accommodation of travellers, or ride over at once to Gulmarg, doing the whole journey in one day. Eventually a carriage road from Patan to Gulmarg is quite feasible with a ruling gradient of 1 in 20.

XLb SRINAGAR to GULMARG by POLHALLAN—

Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	By boat down the Jhelum river to Shadipur, thence by Noroo canal and western branch to Polhallan. Good mule track over Karewa land and through pine forest to Gulmarg.	.....	.....	5235	S. G. F. W. T. abundant.	Capital of Kashmir State, large city, &c.
<i>Shadipur</i>	...	...	15	...	...	.....	...	.....	S. G. F. W. T. procurable.	Large village.
Polhallan <i>E.—</i>	...	25	...	...	...	.....	...	.....	S. G. F. W. procurable, T. nil.	Mahomedan shrine.
<i>Chandesar</i>	...	...	31	...	...	.....	...	.....	.....	.....
<i>Baba Marishi</i> <i>B, C, E.—</i>	...	...	40	...	...	.....	...	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XLb.	<i>ROUTE—contd.</i>	..	40 ..						
2	Gulmarg <i>P. O., T. O., hotel, E.—</i>	17 ..	42 ..	.....	.....	.....	8500	S. T. moderate in season. W. distant, G. F. plentiful.	Sanitarium and bazar in season.

This route is often taken in May and June when there is water enough in the Noru canal and its western branch through the Rurangaru swamp to Polhalla. In July and August the mosquitoes and insects are a terrible pest, and musquitoe nets are indispensable. From Polhalla the march to Gulmarg is done in one day, being reckoned as 1½ stages.

XL SRINAGAR to GULMARG by SOPUR—

	Srinagar <i>P. O., T. O., C., E.— Shadipur</i>	...	...	0 ..	By boat down Jhelum river and across Woolar Lake to Sopoor.	Down Jhelum river.	.....	5235	S. G. F. W. T. abundant.	Capital of Kashmir State, large city, &c.
1	Hajan	...	27 ..	27 ..	.....	.....	.....	.....	.....	Large village of boatmen at mouth of Woolar Lake.
2	Sopur <i>P. O., T. O., B., C., E. Minagam</i>	...	18 ..	45 ..	Good mule track to Gulmarg.	Up Ningul valley.	... ..	5185	S. G. F. W. T. plentiful.	Town, bazar and head-quarters of Kamraj zillah.

3	Kontra <i>E.—</i> <i>Baba Marishi</i> <i>B., C., E.—</i>	...	15	...	60	...	.....	Up Nambalnar valley and spur.	.....	.....	S. G. F. W. T. procurable.
		...	...	...	65	...	.....		
4	Gulmarg <i>P. O., T. O., hotel E.—</i>	...	7	...	67	...	.....	.....	.....	8500	S. T. moderate in season, G. F. plentiful, W. distant.

Sanitarium and
bazar in season.

There is another road to Gulmarg by Baramulla, the whole distance from Srinagar to Baramulla being by water 60 miles round by Woollar Lake, or 50 miles by the Noru canal between Shadipur and Sopur, or by carriage road *via* Patan 35 miles.
From Baramulla, there is a good road ascending a spur on to the table land and along this watershed to Kontra 11 miles, where it crosses the Ningul river and joins the Sopur road onwards by Baba Marishi to Gulmarg 7 miles. Total 18 miles.

XLI SRINAGAR to JHELMUM by JHELMUM VALLEY —

	Srinagar <i>P. O., T. O., C., E.—</i> <i>Harprat</i>	...	...	...	0	...	Carriage road bridged and me- talled under con- struction to Ba- ramulla.	Down Jhelum valley left bank to Kohala.	Amiran Kadal Dudh Gunga bridge. Suknag bridge.	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State, military cantonnement and fort, large city and bazar, &c.
1	Patan <i>E.—</i> <i>Bulgaon</i>	...	19	...	19	...	.....	...	.....	5200	S. G. F. T. available, W. from springs.	Village and ancient ruins, road turns off to Gulmarg.
		...	...	...	27	...	.....	.....	Ningul bridge			
2	Baramulla <i>P. O., T. O., D. B., C., E.</i> <i>Sher</i>	...	16	...	35	...	Carriage road through to Koha- la, bridged and metalled.	...	.....	5175	S. G. F. W plentiful, T. after notice.	Town, bazar and telsil.
	<i>Bhunnar</i>	...	...	...	49	4	.....	.....	Kechama bridge, Harpetkai bridge.	5000	.....	Ancient Bhuddist temples.

NUMBER OF MARCHES	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
1	ROUTE—contd.	...	49	4					
3	Rampur P. O., T. O., D. B., E.—	15	50	5		.....	4900	S. G. F. W. moderate, few coolies.	Beautiful camping ground on terrace lined with deodars.
4	Uri P. O., T. O., D. B., E. confined—	13	64	...		.....	4390	S. G. F. procurable, W. scarce, few coolies.	Village on fine plateau well cultivated.
			65	...		Islamabad "	.....	.....	Fort and tehsil.
			75	...		Opi "			
5	Chakoti D. B., E. very small—	13	77	4	Down Jhelum valley on left bank.	.....	3700	S. G. F. W. moderate, T. available.	Small village on cultivated plain.
	Chenar stage	...	82	2					
	Neli	...	86	2					
6	Hatian	10	88	2		Hatian bridge	3000	S. G. F. T. moderate, W. plentiful.	Police post, old D. B. in ruins.
	Ser next	...	93	6					
7	Garhi P. O., E., D. B.—	10	98	6		.....	2700	S. G. F. W. and T. available.	Open cultivated plain, large village on opposite bank.

8	Dunel <i>P. O., T. O., D. B., E. moderate— Rara</i>	13	4	112	2	The same Murree rock formation continues down the Jhelum valley to Owen ferry where it gradu- ally merges into the Sewalik or tertiary forma- tion.	.....	.....	.....	2225	S. G. F. W. plentiful, T. available.	Bazar, junction of Jhelum and Ki- shengunga rivers.
9	Dulai <i>D. B., E. very small— Chatar</i>	9	2	121	4		.....	.....	.....	2105	S. G. F. W. procurable, few coolies after notice.	Hamlet.
	Barsala	...	...	125	..		.....	Agar bridge		2029		
		...	...	132	...		.....	.....	.....	2010	.....	Bungalow reserved for H. H. Maha- raja.
10	Kohala <i>P. O., T. O., D. B., E. very small—</i>	12	...	133	4	From Kohala as- cend cart-road 7 m. 3,108 ft., and descend footpath sharply to Kopa- dar, thence keep along old road made by Captain Hall, Dy. Commr. of Pind, along right bank down to Soha.	Down Jhelum valley right bank.	Jhelum bridge		1916	Ditto	Small bazar, cus- toms post. Jhelum river.
11	Kopadar ferry	...	...	140	4		.....	.....	.....	1868 3108	.....
12	Malot or Dhara ferry	10	4	144	...		.....	.....	.....	1815	S. from Jhanjhana, G. F. W. plentiful, T. nil.	Used by men carry- ing timber to Murree.
		10	...	154	...		.....	.....	.....	1677	S. from Malot, G. F. W. plentiful, few coolies.	Crossing of road from Poonch to Murree.
13	Rampatan	10	...	164	...	This old road much neglected and in bad order, has become very diffi- cult for laden animals.	.....	.....	.....	1568	S. precarious, G. F. W. plentiful, T. nil.	Ditto.
	Makroch	..	...	167	...		.....	.....	.....	2205		
14	Luchmun Bhatea	7	...	171	...		.....	.....	.....	1480	S. from Baroi, G. F. W. plentiful, T. nil.	Crossing of Poonch and Rawal Pindi road.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
XLI	ROUTE—contd.	7	171				1409	.....	Soha village 2,650ft.
	<i>Soha</i>	...	176	From Soha there is only a footpath down the valley to Tangrot. This path leaves the river in many places to surmount high cliffs which project into the river.	.....	.....	1360	S. & T. from Bewar, G. F. plentiful, W. springs.	Crossing of road from Poonch to Mandra Railway Station.
15	Owen ferry <i>Kanand</i>	11	182		.....	.....	1320	S. from shop, W. springs.	
	<i>Sobheri</i>	...	186		.....	.....	.....	S. from shop, W. springs.	
16	Salgraon ferry	14	191		.....	.....	1210	S. from shop, G. F. plentiful, few coolies.	Crossing of road from Kotli to Mandra Railway Station.
		...	196		.....	.....	1080	S. from Palalan, G. F. W. plentiful, few coolies.	Crossing of road from Kotli to Gujarkhan Railway Station.
17	Danguli or Palalan ferry <i>Hil ferry</i>	13	209	.....	.....	.....	1010	S. from Palalan, G. F. W. plentiful, few coolies.	Crossing of road from Kotli to Gujarkhan Railway Station.
		...	216	Only coolies lightly laden can traverse this track, and ponies cannot be led over it.	.....	.....	970	S. G. F. W. plentiful, T. available.	Large village.
18	Bagham ferry	10	219		.....	.....	870	S. G. F. W. T. procurable.	Junction of Poonch and Jhelum rivers.
19	Tangrot ferry	10	229	From Tangrot fair road passable for laden animals to Shikarpur, whence rough cart-road over open cultivated plain to Jhelum.	Down Jhelum valley right bank	.....	...	.....	Fort on left bank in Kashmir territory. Small village.
	<i>Mungla ferry</i>	...	237		.....	.....	810	S. G. F. W. and T. procurable after notice.	
20	Shikarpur <i>B.—</i>	12	241		.....	.....	...	.....

<i>Kutiali ferry</i>	...	...	244	...	...	...	...	...	Crossing of road from Mirpur to Jhelum.
<i>Sukachainpur</i>	...	...	247	...	...	...	...	780	Forest depôt on left bank in Kashmir.
Jhelum <i>P.O., T.O., D.B., C., E.</i>	...	13	254	...	...	...	...	740	Cantonment, civil station, town, head-quarters of district, station on N-W. Ry.

21

On this route from Kohala to Jhelum, the heights of river at each crossing are given. The section Kohala to Tangrot is not passable for laden mules or riding ponies, and is used only by occasional fishermen who find grand sport. From Tangrot small and large boats can be floated down the rapids to Jhelum City.

Where vertical cliffs project into the river, the only way is to cross over to left bank, if there is a convenient ferry or to surmount the hill spur above and descend again to right bank.

The halting places are at the ferries, and the ground for camping very small. A traveller should take through transport, unless he can afford to wait at each stage and give notice to the nearest large village for coolies.

From Uri 64 miles, a road branches off southwards over the Haji Pir pass to Poonch 98 miles, see Route XXX, and for its continuation to Kotli 128 miles, and to Jhelum 197 miles, see Route XXIV, which is much shorter and easier than following down the Jhelum valley.

For the Poonch and Murree road crossing at Dhara ferry, see Route XXVII.

For the Poonch and Rawal Pindi road crossing at Luchmun Bhatea, see Route XXVI.

XII SRINAGAR to RAWUL PINDI by MURREE—

Srinagar <i>P.O., T.O., C., E.—</i>	...	...	0	...	Carriage road under construction bridged and metalled to Bara-mulla.	Down Jhelum valley on left bank.	Amiran Kadal Dudh Gunga bridge. Suknag bridge	5235	S. G. F. W. T. abundant.	Large city, fort. summer capital of Kashmir State. Road branches to Gulmarg.
<i>Purana Chowki Harprat</i>	...	...	2	5	...	...	...	...	...	...
Patan <i>E.—</i>	...	19	19	...	...	...	...	5200	S. G. F. T. available, W. from springs.	Small village, two ancient Hindu temples in ruins.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	m.	f.						
XII	<i>ROUTE—contd.</i>	19	...	19	...	.....	.. ..	.....	.....	Road branches to Gulmarg.
	<i>Polhallan</i>	...	...	21	...	.....	Ningul bridge	.....	.....	Road branches to Sopur.
	<i>Bulgaon</i>	...	...	27	...	.....	.....	.....	.....	Town, bazar, tehsil, temple ruins at Uskara.
	2 Baramulla <i>P. O., T. O., D. B., E.</i>	16	...	35	...	.....	.....	5175	S. G. F. W. plentiful, T. after notice.	Wide plain, cultivated.
	<i>Sher</i>	...	...	39	...	.....	Kechama bridge.	...	.....	Road branches to Gulmarg.
	<i>Naoshera</i>	...	...	46	4	...	Naoshera bridge.	.....	.....	Ancient Buddhist temple.
	<i>Bhunnar</i>	...	...	48	...	.....	.....	.....	.....	Saw mill, workshop, residence of Road Engineer.
3	...	...	...	49	2	.....	Harpetkai bridge.	5000	.....	Beautiful camping ground on terrace lined by deodar trees.
	Rampur <i>P. O., T. O., D. L., E.</i>	15	5	50	5	.....	.....	4900	S. G. F. W. T. moderate.	Ancient temple in ruins.
	...	...	...	57	...	.....	.....	.....	.....	.....
				62	...	...	Namila bridge.	.....	.....	.....

	Uri P. O., T. O., D. B., E.—	13	64	ree rock forma- tion. This road is liable to land- slips after heavy rain and snow owing to the fri- able nature of the shaly rocks. .....	.....	.....	.....	4390	S. G. F. T. procurable, W. scarce.	Village on fine plateau, well cul- tivated, small fort, tehsil. Cliffs gorge. Ditto. Ditto.
4	<i>Bujadanga</i>	...	65	...	...	...	Islamabad bridge.	.....	.....
	<i>Dardkot</i>	...	69	...	...	...	.....	.....	.....
	<i>Baranbat</i>	...	71	...	...	...	.....	.....	.....
	<i>Opi</i>	...	74	...	...	...	.....	.....	.....
	...	...	75	...	...	...	Opi bridge.	.....	.....
5	Chakuti D. B., E. small— Chenar stage	13	4	77	4	.....	.....	3700	S. G. F. W. moderate, T. available.	Small village on cultivated plain. Kathai, residence of Nawab Sultan Mahomed Khan, on right bank. Plateau above road.
	...	...	82	2	...	...	.....	.....	.....
	<i>Neli</i>	...	86	2	...	...	Neli bridge	.....	.....
6	Hatian Ser neck	10	6	88	2	.....	Hatian bridge	3000	S. G. F. T. moderate, W. plentiful.	Police post, old D. B. in ruins.
	...	...	93	6	...	...	.....	.....	.....
7	Garhi P. O., D. B., E.—	10	4	98	6	.....	.....	2700	S. G. F. W. and T. available.	Cultivated plain. Large village, Hatian on right bank.
8	Dumel P. O., T. O., D. B., E. small— Rara	13	4	112	2	.....	.....	2225	S. G. F. W. plentiful, T. available.	Bazar at junction of Jhelum and Kishengunga rivers.
	...	...	117	6	...	...	.....	.....	.....
9	Dulai D. B., E. very small— Chatar Barala B.—	9	2	121	4	.....	.....	2105	S. G. F. W. procurable, T. after notice.	Hamlet.
	...	...	124	4	...	...	Agar bridge	2029	.....
	...	...	126	...	...	...	.....	.....	.....
	...	...	132	...	...	...	.....	2010	.....	Bungalow reserved for H. H. Maha- raja, and shop.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
K.I.I.	<i>ROUTE—contd.</i>	...	...	132	4	...	Jhelum bridge	1916	S. G. F. W. procurable, T. after notice.	Small bazar and customs post.
10	Kohala <i>P. O., T. O., D. B., E. very small—</i>	12	...	133	4	...	...	...	S. G. F. W. available, T. nil.	Village with two shops.
11	Phagwari <i>Rawat, Road bungalow</i>	12	2	145	6	Down Jhelum valley right bank.	Kunair bridge	1925	...	Bridge road from Murree to Dewal crosses.
	<i>Jhaka gully</i>	...	...	147	...	Ascent of Murree hill.	...	6800	...	Road branches to the gullies and Abbottabad.
	<i>Kuldanha</i>	...	...	157	...	...	...	...	...	...
	...	...	...	160	...	...	...	...	...	...
12	Sunny bank under Murree <i>Lodging house—</i>	15	2	161	...	Descent of Murree hill.	...	6600	S. G. F. plentiful, W. from new supply, T. ample.	Murree is a civil and military sanitarium with large bazar.
	<i>Murree Brewery</i>	...	...	165	...	...	...	5200	...	...
	<i>Gora Gali</i>	...	...	166	...	...	...	...	...	...
13	Tret <i>P. O., D. B., E.—</i>	11	2	172	2	...	...	2900	S. G. F. W. procurable, T. nil.	Small bazar.
	<i>Chattar garden</i>	...	...	174	4	...	Salgram bridge.	...	...	...
	...	...	...	179	2	...	...	...	...	...

14	Barakao <i>D. B., E.—</i>	...	12	...	184	2	.....	.....	Barakao causeway. Pungrel causeway.	1950	Ditto	Two shops and police post.
15	Rawul Pindi <i>P. O., T. O., D. B., hotels, C., E.—</i>	...	13	4	197	6	...	.....	.....	1700	S. G. F. W. and T. abundant.	Large military cantonment, civil station, large city, head-quarters of district and sta- tion on N.-W. Ry.

t Dumel 112 miles 2 furlongs, a road 1½ mile long after crossing the Jhelum river by at present a temporary wire rope suspension bridge branches to Mozuffabad, a town and head-quarters of zillah at the entrance of the Kishengunga valley.

nother road forks out to Abbottabad, see Route XLIII.

Murree Church is distant 3 miles, from Sunny bank 161 miles, and, as a rule, most travellers prefer halting in Murree, where there are good hotels and a club.

rom Murree there are 2 roads westwards to Abbottabad, for the upper, see Route XXVII, and for the lower, see Route IXa.

rom Kohala there is an old bridle road up the hill spur to Dewal II miles, Jhika gully 18 miles, and Murree 20 miles.

XLIIa HATIAN to KOHALA by OLD ROAD—

6	Hatian	...	...	...	88	2	Fair track ascend- ing to Chikar.	.....	Hatian bridge. Hatian ford	3000	S. G. F. T. moderate, W. plentiful.	Police post.
7	Chikar	...	10	...	98 99 102	2 ...	..... ..... .....	Basoli gully Across Agar valley.	.....	.....	S. G. F. T. W. procurable.	Village. Pir Punjal range.
8	Maira	...	...	8	106 109	2 4	..... .....	.....	Agar ford.	.....	Ditto	Village.
9	Danna	...	...	7	113	2	Steep descent to Jhelum river.	.....	.....	.....	S. G. F. W. plentiful.	Large village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
XLIIa	<i>ROUTE—contd.</i>	...	113 2						
10	Kohala	7	120 2	.....	.....	Jhelum bridge	1916	S. G. F. W. procurable, T. after notice.	Small bazar and customs post.

From Garhi 98 miles 6 furlongs another short cut may be made by climbing up the hill at the back of the Dak Bungalow to the Kot village, 3,000 feet, thence descending gradually down the Agar valley to Chatar on the Jhelum road 114 miles, thus saving 12 miles. The path is fair but stony, and fit only for men on foot.

XLIII SRINAGAR TO KALAKE SERAI or HASSAN ABDAL by ABBOTTABAD—

Srinagar	...	...	0	Carriage road under construction	Down Jhelum valley on left bank.	Amiran Kadal	5235	S. G. F. W. and T. abundant.	Large city, fort, bazar and summer capital of Kashmir state.
<i>P. O., T. O., C., E.—</i>	...	...	2	to Baramulla, or go by boat down Jhelum river and through Woolar Lake 60 miles. If Noru canal between Shadipur and Sopur be open, then 50 miles.	.....	Dudh Gunga bridge.			
<i>Parana Chowki Harprat</i>	...	...	5		.....	Suknag bridge.			
1	Patan	19	19		.....	.. ..	5200	S. G. F. T. available, W. from springs.	Small village, two ancient Hindu temples in ruins.
<i>E.—</i>	...	...	21		.....	.....	...		Road branches to Gulmarg 17 miles.
<i>Polhalla</i>	...	...	27	.....	.....	Ningul bridge	...		Road branches to Sopur 4 miles.
<i>Bulqaon</i>	...	...			.....

2	Baramulla P.O., T.O., D.B., E.—	16	...	35	...	Cross Jhelum river to right bank.	Jhelum bridge.	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar, tehal.
	Bhimbar	...	...	45 47	...	.....	..... Limber ford.	.....	.....	Gypsum alabaster quarries 3 miles up side valley.
	Tatamulla	...	...	49	...	.....	.....	4846	.....	Jagir of Dewa n Lachmun Doss.
3	Gingl E.—	18	...	53	...	.....	Bijham a bridge	4618	S.G. F.W. procurable, few coolies.	Bijham a 2 miles up side valley, sum- mer residence of Nawa b Sultan Mahomed Khan.
		...	...	55	...	.....	Dodiali bridge.	.....	.....	Ancient ruins of city and temple.
	Dawaren Old Imperial serai in ruins	...	...	56	...	.....	.....	.....	.....
	Dina	...	...	59	...	.....	.....	4283	.....
4	Shadera E.—	12	2	65	2	Rough hill road stony with many ascents and much cut up after heavy rain.	.....	4798	Ditto	Ditto.
		...	...	69	...	.....	.....	4294	.....
5	Kathai E.—	10	6	76	...	Kumar must	.....	4682	.....
		...	...	79	2	.....	Kathai ford	3665	S. G. F. W. and T. available.	Winter residence of Nawa b Sultan Mahomed Khan.
	Peliasa	...	...	80	...	Cowlanda	.....	4045	.....
6	Khunda	8	6	84	6	.....	Peliasa ford.	3540	S. scarce, G. F. W. procurable, T. nil.	Small village.
		...	...	92	...	.....	Dopatta ford	.....	.....	Old fort.
7	Hattian Malai	10	...	94	6	Good hill road on- wards.	.....	2665	S. G. F. W. and T. available.	Large village.
		...	...	97	...	.....	Dwarsida ford	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
XIII	<i>ROUTE—contd.</i>	...	97						
8	Mosufferabad <i>P. O., T. O., D. B. at Dumel, C., E.—</i>	13	2 108	Rough track very stony and much cut up, steep ap- proaches to pass on both sides.	..... ..... Doob gully	Kisheungunga bridge.	2212 4556	S. G. F. W. plentiful, T. after notice.	Town, fort, bazar, head-quarters of zillah. Old Imperial serai.
9	Garhi Habibulla <i>P. O., D. B., C., E. small</i>	10	4 118	Fair hill road pass- able for ekkas.	..... ..... Batrasi gully	Nansook or Kunhar bridge Ichur bridge Batti "	2648 4004 3360	S. G. F. W and T. available. S. G. F. W. and T. plentiful.	Large village and bazar. Large village and tehsil.
10	Mansera <i>P. O., D. B., E.—</i>	18	... 136	Fair cart-road earthen.	..... ..... Sulhud pass	..... Dor ford	3540 4005 2700	S. G. F. W. and T. ample.	Large village and tehsil. Military canton- ment, civil station, town, head-quar- ters of district Hazara.
11	Abbottabad <i>P. O., T. O., D. B., E.—</i>	16	... 152	Good road bridged and metalled.	..... ..... .....	..... ..... .....	2610	S. G. F. W. after notice, T. nil.	Halting place.
	<i>Chamba</i> <i>B. C., E.—</i>	...	... 163	.....	.....	.....	1730	S. G. F. W. and T. plentiful.	Town, bazar, tehsil.
	Haripur <i>P. O., T. O., D. B., C., E.—</i>	23	2 175	.....	.....	.....	.....	S. G. F. after notice, W. from well, T. nil.	Halting place.
	<i>Huttar</i> <i>Balar tope</i>	...	... 189	.....	.....	.....	1600		
		...	... 191	.....	.....	.....

13	Kala-ke Serai ... <i>P. O., T. O., D. B.—</i>	21	2	197	....	....	....	1690	S. G. F. T. after notice, W. from well.	Railway station on N.-W. Railway.
	or Hassan Abdal ... <i>P. O., T. O., D. B.,</i> 1½ mile from rail- way station.	19	...	194	6	....	....	1400	S. G. F. W. and T. available.	Ditto.

From Pelissa 80 miles there is a track up the side valley northwards over the Hatian gulli of the Kajrag range which descends into the Karna valley to Titwal on the Kishengunga river 20 miles.
 From Malsi 97 miles there is a track up the Dwarsida valley across the Kajrag range and descends down the ravine which leads to Noseri Nausada on the Kishengunga river about 16 miles in length.
 From the old Imperial serai at Mozufferabad 109 miles there is an alternative route by the Lohar gulli 3,459 feet 112 miles, to Garhi Habibulla 118½ miles. This track is passable for laden animals.
 From Garhi Habibulla northwards, there is a good road up the Kunhar valley on both banks to Balakot 12½ miles, a populous town and trading mart of the Kaghan valley.

XIIIa BARAMULLA to MOZUFFERABAD by TUTMARI GULLI—

2	Baramulla ... <i>P. O., T. O., D. B.,</i> <i>E.—</i> <i>Arhama</i> <i>Yarbugh</i>	...	...	35	...	Fair hill road, fit for riding and passable for laden animals, through to the Kishen- gunga valley.	....	....	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar, tehsil.
		...	...	40	4	...	....	Vij ford.	5400	....	Large village.
		...	...	41	...	...	....	Hamal "			
		...	...	42	4	...	....		
3	Ashpura ... <i>E.—</i> <i>Ashlerhama</i> <i>Lach</i>	14	...	49	...	Up Marwar valley left bank.	....	....	....	S. G. F. W. available, few coolies.	Ditto.
		...	...	50	4	...	....	Timna ford.	5700	....	Ditto.
		...	...	52	...	...	....	Marwar "			
		...	...	54	...	...	....	
4	Lansor Naugaon ... <i>E.—</i>	9	...	58	...	....	....	....	....	S. scarce, G. F. W. moderate, few coolies after notice.	Hamlet.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XLIIIa ROUTE—contd.									
5	Grusen E.—	9 ..	58 ...	.. ...	Up Jetti' ravine. Tutmari gulli.	Hudnar ford	.....	S. and T. nil, G. F. W. procurable.	Dak.
6	Nakot or Chanian E.—	12 ..	70 ...	.....	Down Karna valley.	.....	.....	S. scarce, G. F. W. available, few coolies.	Small village.
7	Budipura E.—	9 ...	79 ...	.....	.....	.....	.....	Ditto	Ditto.
8	Titwal P. O., E.—	7 ...	95 ...	Hence rough and stony road, difficult for laden animals, with many steep ascents and descents, some rocky and precipitous.	Down Kishengunga valley left bank.	Karna bridge	3250	S. G. F. W. plentiful, T. available.	Village and tehsil, small fort.
9	Noseri Nausada E.—	6 4	101 4			.....	3425	Ditto, T. nil.	Village.
10	Panjgram E.—	9 ...	110 4		.....	.....	2900	S. G. F. W. plentiful, T. available.	Ditto.
11	Nuraseri E.—	7 4	118 ...	A riding pony may be led and taken round bad places by long detours.	.....	... ..	2750	Ditto, T. nil.	Ditto.

12	Mosufferabad or Damel P. O., T. O., D. B., C., K—	...	11	...	129	...	Good road	.....	.....	2470 } 2225 }	S. G. F. W. plentiful, T. after notice.	Town, bazar, head- quarters of zillah.
		...	1	4	130	4	Join Jhelum road	.....	Jhelum bridge			

The traveller might go by boat from Srinagar to Sopur or *viâ* Patan by land 32 miles. Hence march up the Pohru and Marwar valleys to Langyat 46 miles, Jagir of Raja Sir Anar Singh, K.C.S.I., and join the foregoing route at Lach 54 miles.

From Lach 54 miles instead of going up the Marwar valley to Tutmari gulli, the traveller might strike northwards through the beautiful undulating country of the Lolab by Nichihama to Shalura.

From Lach 54 miles this route, which is passable for laden animals, skirts the eastern flank of the Danhu or Trehella mountain, descends to Darsen, and after crossing the Punjar river comes to Rajpore 60 miles, the Jagir of Raja Akbar Ali Khan. Hence proceeding up the left bank of the Punjar through the fine Chokchi gorge, the route forks into two branches, one westwards and one northwards.

The western track leads to Nichihama village 64 miles, where the burnt and sunken acre, Syum Nar, mentioned by Abu Fazl-i-Allami in the Ain-i-Akhari and described by Dr. Falconer and Mr. Vigne may be seen. The ground was at times so hot that, after scraping the surface, the natives used to cook their rice by placing the pans upon the cleared space.

On examination there are clear indications of the burning of an underground seam of coal from 3 to 5 feet in thickness; the outcrop of the latter is yet visible in the ravines at both extremities of the burnt acre, which has subsided, and in a section of the soil thus exposed above it, where the seam is reduced to a white ash and the adjoining clay shales to a red brick.

Similar burnt soil is found at Rampura, in Budishung 63½ miles with coal shale outcrops in the two ravines on the borders, and again at Suktoj 67 miles in the bed of a ravine, where the coal is said to have been set on fire by the blazing pine trees and long grass of the forest, which occasionally takes fire and burns fiercely. After crossing the Talut river at Suktoj and ascending the hill spur northwards, the road passes through a pine forest, where the remains of artificial tanks on the ridge may be seen, to Lutchnapura 69 miles, Wyasa 71 miles, Lihun 72 miles, and emerges into the open country, where it crosses a sheet of rice cultivation and the Kamil river, on the left bank of which stands Shalura 75 miles.

The northern route from Chokchi gorge goes up a glen along the western flank of the Krombhar mountain to Sarmarg 6,400 feet, a village and pond on a lovely site 65 miles, and descends down another winding glen northwards to Kokrum 68 miles, and thence through the rice plain to Shalura 75 miles. The coal seen in the outcrops at Nichihama, Budishung and Suktoj, is of inferior quality between brown coal or lignite and peat. Other outcrops are reported at Nagi, &c., in the vicinity. The material burns well, however, and the burning ground above has been considered a phenomenon during a long period.

XLII. MANSERA TO OCHI—

10	Mansera P. O., D. B., C., E.—	...	...	136	4	Good hill road passable for laden camels.	Across Pukli and Sirun valleys.	.....	3540	S. G. F. W. and T. plentiful.	Large village and tehsil.
10		...	...	143	...			Sirun ford.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER, CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XLIII ROUTE—contd.									
11	Khanki E.—	8	144	.....	.....	.....	.....	S. G. F. W. procurable, T. nil.	Village.
12	Oghi P. O., E.—	10	154	Easy pass through hills thickly wooded.	Susal pass. Agror valley at base of Black Mountain.	Oonar nala	.....	S. G. F. W. and T. procurable.	Village, police and military outpost.

From Oghi there is a road through Shergurh and Nila Pani to Derbund.

XLIII ABBOTTABAD TO THANDIANI—

11	Abbottabad P. O., T. O., D. B., E.—	152	4	Fair hill road for riding ponies and passable for laden mules level to Nawashahr and rises beyond.	.....	Jub nala Darhan "	4005	S. G. F. W. and T. ample.	Head-quarters of district Hazara.
	Nawashahr	155	.....	.....	.....	.....	.....	.....	Large village.
12	Thandiani	157	.....	Across head of Dor river.	.....	Dor nala.	.....	S. and T. moderate in season, G. F. W. plentiful.	Small sanitarium.
		165	.....	.....	.....	.....	8600		
		169	.....	.....	.....	.....

XLIII HARIPUR to DERBUND—

12	Haripur P. O., T. O., D. B., C., E.	...	...	175	6	Rough cart-road passable for ekkas.	Down Dohr valley.	.....	1730	S. G. F. W. and T. plentiful	Town, bazar, tehsil.
13	Barukot or Torbela P. O., E.—	8	2	184	...	.....	.....	Dohr forded twice.	...	S. and T. after notice, G. F. W. procurable.	Village.
14	Nawangiran	10	...	194	...	No water, road between Barukot and Nawangiran, rocky and diffi- cult.	Up Indus valley left bank.	.....	.....	S. and T. precarious, G. F. W. available.	Small village.
15	Derbund P. O., E.—	10	...	204	...	.....	.....	.. ..	.....	S. and T. after notice, G. F. W. procurable.	Village in Tanawal opposite Um b, where Nawab resides.

The route by Torbela on the left bank of the Indus is longer by 10 miles but preferable for water.
There is another route across the hills and down Sirun valley from Abbottabad by Sherwan, Bhir, Tapla to Torbela.

XLIV SRINAGAR to MOZUFFERABAD by NESCHAU or NATTISHANAR GULLI—

Srinagar P. O., T. O., C., E.—	...	0	...	...	Carriage road under construction to Bulgaon, might be continued to across plain to Sopur where there is a good bridge across Jhelum river.	Down Jhelum valley.	Amiran Kadal	5235	S. G. F. W. and T. abundant	Capital of Kashmir State. Large town, bazar and Hari Parbat fort.
Harprat	...	13	...	...	.....	.....	Suk nag "			
1 Patan E.—	19	...	19	...	.....	.....	.....	5200	S. G. F. T. available, W. from springs.	Small village and ancient ruins.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE.	m.	f.						
XLIV	ROUTE—contd.	...	...	...	.....	.....	Ningul Kadal.	5185	S. G. F. W. and T. pientiful.	Town, bazar and head-quarters of Zillah Kamraj.
	<i>Bulgaon</i>	...	...	27 ...	.....	.....	Jhelum bridge	.....	.....	Road branches to Lalpora 12 miles.
2	Sopur <i>P.O., T.O., B., C., E.—</i>	...	13 ...	32 ...	.....	Up Pohru valley left bank.	.....	.....	S. G. F. W. and T. available.	Village.
	<i>Arwan</i>	...	...	43 ...	From Sopur the road is good and passable for laden animals through to Titwal on Kishengunga.	.....	.....	.....
3	Chogul <i>E.—</i>	...	15 ...	47 ...	.....	.....	Pohru river.	.....	
	<i>Wadpoora</i> <i>Warpoora</i>	...	...	51 ... 57 ...	.....	Right bank				
4	Shalura <i>E.—</i>	...	16 ...	63 ...	.....	Up Kamil valley left bank.	Kamil ford or bridge.	5300	Ditto after notice	Do. old fort, shop.
	<i>Pasgram</i>	...	...	66 ... 71 ...	Easy and gradual ascent to pass and short steep de- scent.	.....	Kamil bridge	.....	S. G. F. W. and T. available.	Large village.
5	Drunglari <i>E.—</i>	...	12 ...	75 ...	.....	Up Pullai ravine.	.....	.....	S. and T. nil, G. F. W. procurable.	Hamlet.
	<i>Hajinar</i>	...	...	80 ... 85 ...	.....	Neschau gulli Down Karna valley to Titwal.	...	10400.		

6	Tungta or Karna E.—	14	...	89	...	...	...	...	...	S. G. F. W. moderate, few coolies.	Small fort.
	Tisval P. O. E.—	...	...	95	...	...	...	...	Karna bridge	Ditto	Tehsil and small fort.
7	Panjhot E.—	...	...	101	...	...	...	...	Down Kishengunga valley left bank.	S. and T. scanty, G. F. W. available.	Small village.
8	Partan E.—	...	...	113	...	...	...	...	...	Ditto	Ditto.
9	Dunna E.—	...	...	123	...	...	...	...	...	Ditto	Ditto.
10	Nura Seri E.—	...	...	133	...	...	...	...	...	S. G. F. W. plentiful, T. nil.	Ditto.
11	Mosufferabad or Dumel P. O. T. O., B., C., E.—	...	...	144	...	...	...	...	...	S. G. F. W. plentiful, T. after notice.	Town, bazar and head-quarters of zillah.
		1	4	145	4	...	...	...	Jhelum bridge	.....

This pass is closed by snow from November to February inclusive, when another adjoining pass to the north, Kukwa gulli 9,550 feet from the Karna valley into the Rungwari ravine, which flows into the Kamil river, one mile below Drungari, is used. The approaches are steeper, but the through distance is the same.

XLIV^a SHALURA to KAGHAN VALLEY by KAREN—

4	Shalura E.—	63	Up Wurassoon valley.	5300	S. G. F. W. and T. after notice.	Village, shop, old fort.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XIVa	ROUTE—contd.								
5	Warassoon E.—	...	63 ...	.....	.....	.....	.....	S. G. F. W. and T. after notice.	Village.
		6 ...	69 ...			Putran-ke gali.	10175.		
		...	74 ...	Easy approaches to pass on both sides.	Down Doodi valley.	.....		S. and T. nil, G. F. W. plentiful.	Halting place.
6	Doodi E.— <i>Monatyan</i>	8 ...	77 ...	.....	.....	.....	7400		
		...	84 ...			Kishengunga wooden bridge			
7	Karen E.— <i>Naglara</i>	10 ...	87 ...	Hence the road becomes more difficult and is bad in many places.	..... Up Babun-ka Katta.	.....	4650	S. G. F. W. plentiful, T. available.	Village.
		...	90 ...		.....	.....	.....	.....	Ditto.
8	Karka E.—	10 ...	97 ...	.....	Chirik gali	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place.
		...	100 ...			.....
9	Kensi E.—	12 ...	109 ...	From the Jagran valley to the Kaghan valley the track is rather better.	Across Jagran valley. Shikara gali	.....	.. ..	S. and T. nil, G. F. W. available.	Small village.
10	Shikara E.—	10 ...	119 ...		Down Shikara valley.	.....	.....	Ditto	Halting place.
11	Jared E.—	11 ...	130 ...	... ..	Kaghan valley	.....	.....	S. and T. scarce, G. F. W. available.	Small village.

Between Wurasoon and Doodi, there is a choice of 3 passes over this mountain range, of which Putran-ke gali is the middle one. The other two are Treldubul and Mulla passes. From Karen there are other routes to the Kaghan valley by going up or down the Kishengunga valley and striking up one of the side valleys leading westwards, the foregoing is said to be the one at present used by traders in ghi and salt. From Kensai, in the Jagran valley, there are 3 passes, Bichla, Shikara and Tor gali into the Kaghan valley, and the middle one is here shown. Jared is a stage on the Kaghan valley road, 5 miles from Bhunja, 25 miles north of Balakot, and 15 miles south of Khagan, all three trading marts.

XLV SRINAGAR to KAGHAN VALLEY by DRAWAR—

	Srinagar P. O., T. O., C., E.— Harprat	...	...	0	...	Carriage road under construction to Bulgaon, might be continued to Sopur, where there is a good bridge over the Jhelum river.	Down Jhelum valley.	Amiran Kadal Suknag "	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State. Largest town, bazar and Hari Parbat fort. Small village and ancient ruins.
1	Patan E.— Bulgaon	...	19	...	...	From Sopur the road is good and passable for laden animals through to the Kishengunga river in Drawar.	Up Pohru valley.	..... Ningul "	5200	S. G. F. W. and T. available, W. from springs.	Town, bazar and head-quarters of Zillah Kamraj. Road branches north to Lalpura 12 miles. Village.
2	Sopur P. O., T. O., B., C., E.	...	13	...	...	.....	.....	Pohru river.	5185	S. G. F. W. and T. plentiful.	Ditto.
3	Arwan E.—	...	...	...	...	.....	.....	.....	.....	S. G. F. W. and T. available.	Ditto.
4	Chogul E.— Wadipoora	...	15	...	...	.....	.....	.....	.....	S. G. F. W. and T. available.	Ditto.
5	Mogulpur E.—	...	11	...	...	.....	.....	.....	.....	S. G. F. T. after notice, W. plentiful.	Ditto.
6	Lodrdona E.—	...	8	...	...	Easy gradual ascent and descent.	Seetalwan or Zurkatma gal.	Kamil bridge.	9800	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
XIV	<i>ROUTE—contd.</i>	...	...	70	..					
6	Jimagun E—	9	...	75	...	Down Chor-baila valley.	.....	7000	S. and T. nil, G. F. W. plentiful.	Halting place.
7	Dardinal in Drabar. E—	9	...	84	...	Kishengunga river.	.....	5850	S. G. F. W. plentiful, T. nil.	Village.

Hence there are two routes to the Rutti gali leading into the Kaghan valley, one by Deorian and the other by Kurigam.

FIRSTLY—

8	Deorian E—	...	7	...	91	...	This track is used by laden mules, though difficult in many places.	Up Seri valley	Kishengunga river.	5050	S. G. F. W. plentiful, T. available.	Village.
9	Dari E—	...	12	...	103	...	...	.....	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place.
10	Jora E—	...	16	...	119	...	This pass is said to have steep approaches on both sides.	Rutti gali. Down Dhawartala for Jora Katta	.....	.....	Ditto	Ditto.
11	Burawai E—	...	9	...	128	...	.....	Kaghan valley.	.....	.....	- Ditto	Ditto.

Burawai is 17 miles 6 furlongs distant and north of Narung the highest village up the Kaghan road.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL						
		m.	f.	m.	f.				
XLVI	<i>ROUTE—contd.</i>	...	...	...	...	...	...	...	...
3	Arwan <i>E.—</i>	13	32	...	...	.....	.....	S. and T. after notice, G. F. W. available.	Village.
4	Lalpura <i>P. O., C., E.—</i>	12	44	...	Wyana pass. Down Lolab valley.	.....	5600	S. G. F. W. and T. plentiful.	Capital of Lolab, town, bazar and tehsil.
5	Kroras <i>E.—</i>	10	54	...	The Wyana pass is quite easy both ways.	.....	5700	S. G. F. W. and coolies procurable.	Village.
6	Camp	12	66	...	Up Seh valley	.....	.....	S. and T. nil, G. F. W. procurable.	Halting place at foot of pass.
7	Mokta malik <i>E.—</i>	8	74	...	The Kusdona pass is of gradual ascent and descent.	.....	10500.	Ditto	Ditto.
8	Shardi <i>P. O., E.—</i> <i>Surgaoon</i> <i>E.—</i>	10	84	...	Down Mokta valley.	.....	.....	S. and T. procurable, G. F. W. plentiful.	Village and fort.
9	Sangam <i>E.—</i> <i>Gamot</i> <i>E.—</i>	10	87	...	Lachidal pass.	Kishengunga river.	5850	S. and T. procurable, G. F. W. plentiful.	Small village.
		10	94	...	Up Kankatori valley.	.....	6550.		
		...	102	...	.....	.....	6900		
		13	107	...	.....	.....	7600.		
		...	112	...	.....	.....

10	Hole Nar E.—	...	10	...	117	...	The road is good to the foot of the pass where the climb up and run down are both very stiff and severe.	...	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place at foot of pass.
11	Nihat E.—	...	20	...	137	...	From Basha there is a good road to Chilas.	Kamakduri pass. Down Nihat valley.	.....	.....	Ditto	Ditto.
12	Basha E.—	...	11	...	148 156	...	.....	Down Kanogha valley.	.....	.....	S. and T. after notice, G. F. W. procurable.	Village.
13	Chilas P. O., T. O., B., E.—	...	11	...	159	...	.....	Indus valley	.....	4000	S. G. F. W. and T. plentiful.	Village and mili- tary post.

From Surgon 102 miles there is a track N. E. up the Nuri Nar valley over the Nuri Nar or Julkhud pass 116 miles down the Julkhud-ka-katta to Seri 130 miles on the Kaghan road.

From Gamot 113 miles there is a track N. E. up the Siralgul nala which leads to a group of 5 passes over the dividing range. The northern pass Katara gali is said to lead down a ravine to Thak on the Kaghan road to Chilas, the north-eastern pass Siral gali leads to Dudibat Sar or glacier lake and descends down the Purbidia-ka-katta to Kotawai on the Khagan road.

At the 115th mile, a path goes west up the Kalajundi nala across the Kundi pass to Mora, see Route XLVII.

At the 117th mile, a path ascends N. W. up the Hole Nar nala to the Hole Nar pass 14,637 feet and Barai pass, 14,000 feet and descends down the Barai nala to Pafoi and Bunar.

All these high passes are closed by snow during 8 months of the year from November to June inclusive, glaciers are numerous in this range which is a S. E. offshoot of Nanga Parbat Peak 26,620 feet.

XLVIa SRINAGAR to LAIPURA by NAGMARG—

	Srinagar P. O., T. O., C., E.— Shadipur	...	...	0	...	Carriage road for 6 miles and thence along 10-foot road earthen and bridged to Bandi- pura, quite pass- able for camels and laden ani- mals.	Down Jhelum valley left bank. Right bank.	Amiran Kadal Noru bridge. Jhelum "	5235	S. G. F. W. and T. abundant.	Capital of Kasmir State. Large town, bazar, Hari Par- bat fort. Village and some shops.
1	Sumbhul E.— Ains	...	15	4	...	4	Along eastern border of Woolar Lake.	.....	.....	S. G. F. W. procurable, T. after notice.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
XLVIa ROUTE—contd.										
2	Bandipura P. O., T. O., E.—	...	23	4	Road fair	Along north- ern shore of Woolar Lake.	.....	5200	S. G. F. W. and T. plentiful.	Large village and bazar.
3	Alsu E.—	7	4	42	.....	.....	.....	5200	S. G. F. W. and T. available.	Village.
4	Nagmarg E.— Dewar	6	...	48	Steep ascent and easier descent.	Dewa or Bur- chhai gully.	.....	8100	S. and T. nil, G. F. W. available.	Sanitarium.
5	Lalipura P. O., C., E.—	...	8	...	.....	Lolab valley	.....	5600	S. G. F. W. and T. plentiful.	Capital of Lolab Town, bazar and tehsil.

The usual plan is to go by boat from Srinagar down the Jhelum river, and across the Woolar Lake to Alsu about 40 miles, there land and cross over the Nagmarg range into the Lolab. Nagmarg is situated along the ridge to the north of the pass. A few old huts in bad order. One of the summer resorts of Kashmir with lovely scenery and beautiful views on a fine day.

From Alsu is a fair road 12 miles to Sopur by land, passing the Shukr-ad-din Ziarat on the Watlab hill, one of the celebrated shrines of Kashmir at the 4th mile.

XLVII SRINAGAR TO ASTOR by LOLAB and SHONTAR PASS—

Srinagar P. O., T. O., C., E.—	0	...	Carriage road un- der construction	Down Jhelum valley.	Amiran Kadal	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State. Large town,
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	<i>Harprai</i>	13	...	to Bulgaon, which might be continued 5 miles further to Sopur bridge over the Jhelum river.	Suknag "	5200	S. G. F. and T. available, W. from springs.	Village and ancient ruins.
1	<i>Patan E.—</i>	...	19	...	19	...		.....	.....	.....
	<i>Bulgaon</i>	...	...	...	27	...	.....	.....	.....	Ningul "			
2	<i>Sopur P.O., T.O., B., C., E.—</i>	...	...	...	32	...	Hence a good road passable for laden animals to Kroras.	Up Pohru valley left bank.	Jhelum bridge		5185	S. G. F. W. and T. plentiful.	Town, bazar and head-quarters of Zillah Kamraj.
3	<i>Arwan</i>	...	12	...	44	...	.....	.....	.....	.....	.....	S. and T. after notice, G. F. W. available.	Village.
4	<i>Lalpura P.O., C., E.—</i>	...	10	...	54	...	Easy ascent and descent.	Wyana pass.	Down Lolab valley.	.....	5600	S. G. F. W. and T. plentiful.	Capital of Lolab town, bazar, tehsil.
5	<i>Kroras or Thien E.—</i>	...	12	...	66	...	From Thien above Kroras at the junction of the 2 rivers, an old road turns off north eastwards over the Ura gully, an easy pass on both sides, and thence northwards down to the Kishengunga. This old road is much cut up, but is passable for laden mules. After crossing the wooden bridge over the Kishengunga	Up Seh valley	.....	.....	5700	S. G. F. W. and coolies procurable.	Village.
6	<i>Sirkuli</i>	...	...	...	70	...		.....	.....	.....	6400.		
7	<i>Ura gully</i>	...	8	...	74	...		Down Machil valley.	.....	.....	9500.		
8	<i>Santwari E.—</i>	...	9	...	83	...		.....	.....	.....	7000.		
9	<i>Khel E.—</i>	...	13	...	96	...		Cross Kishengunga valley.	Kishengunga bridge.		6134	S. scanty, W. G. F. plentiful, T. nil.	Ditto.
10	<i>Dumel Pain E.—</i>	...	8	...	104	...		Up Khel valley.	.....	.....	7300	S. and T. nil, W. G. F. plentiful.	Junction of Barai river.
	<i>Shontar E.—</i>	...	8	...	112	...		.....	.....	.....	10000	Ditto	Halting place south of pass.
		...	...	...	122	...		Shontar pass	.....	.....	15052		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XLVII ROUTE—contd.									
11	Duman <i>E.—</i>	...	122 ...	river, the track continues good to the foot of the Shontar pass, where there is a stiff climb to the top, on the north side the road is of easy gradient over marsh country to Rattu where is the junction of Kamri pass route.	Down Mir Malik valley.	Dabin ford	.....	S. and T. nil, W. G. F. plentiful.	Junction of ravine which leads to Dohban Pir.
12	Mir Malik <i>E.—</i>	8	138 ...		.....	.....	9083	S. procurable, T. nil, G. F. W. plentiful.	Village.
13	Rattu Chugam <i>E.—</i>	...	146 ...		Down Guraigah or Astor valley left bank.	..... Rupal bridge.	8299	S. and G. scanty, W. and F. procurable, T. nil.	Ditto.
14	Gurikot <i>E. confined—</i>	10	159 ...	Join 10-foot road Srinagar to Gilgit earthen and bridged.	.....	Astor bridge	7800	S. and G. scanty, F. W. available, T. nil.	Ditto.
15	Astor (Idgah) <i>P. O., T. O., B.— E. polo ground—</i>	7	166 ...	.....	.....	.....	7838	S. and G. procurable, F. and W. plentiful, T. moderate.	Village, fort, bazar, bungalow will be built, residence of Raja of Astor or Hasora.

From Lalpura 54 miles there is another route by Kranan over the Bhatnar Pir gully down the Machil valley.

From Sirkuli 70 miles there is another track eastwards up the Kunchali river over the Machil pass into the Machil valley.

From Ura gully down the Machil valley are the remains of an old road once constructed by the State and bridged. From Dumeil Pain 104 miles a route branches northwards up the Barai nala by Moree 110 miles and Kalar 116 miles over the Barai pass 14,000 feet and 122 miles, and descends down the Barai or Bunar nala by Paloi 140 miles, and Diamirai 148 miles, to the Indus 156 miles, where it joins the Esawanji and Chilas road along left bank of this river. Bunar fort is about 3 miles west of this Bunar nala on a commanding plateau, about half way between Paloi and Diamirai.

The Shontar pass 15,052 feet b. p. according to the map, is said to be the highest of 3 gullies in this vicinity, but there is no path at present to the other two.

About 15 miles S. E. along this range, there is another pass Dohban Pir gully 14,045 feet to which there is access on both sides, by the Phulmai nala on the south from the Kishengunga valley, and by the Duman nala on the north side from the Mir Malik valley. The easiest approach from Srinagar to the Dohban Pir would be by Kanzilwan on the Gilgit road 62½ miles, see Route XLVIII; thence down the Kishengunga valley by Bakhtaor 66 miles, Thabot 73 miles, Sirdari 80 miles, the last village in this direction, Phulmai nala 87 miles, Dohban Pir gully 100 miles, Daman 112 miles, and Mir Malik 120 miles. This would be shorter than the foregoing route, but the march from Sirdari along the right bank of the Kishengunga river to the Phulmai nala is said to be extremely difficult from the rocky cliffs projecting into the river.

XLVIII SRINAGAR to GILGIT by BURZIL (DORIKUN) PASS—

	Srinagar P. O., T.O., C., E.—	...	...	0	...	Carriage road for 6 miles and thence 10-foot road bridged and passable for all laden animals through to Gilgit.	Down Jhelum valley left bank. Right bank	Amiran Kadal Noru bridge. Jhelum bridge	5235	S. G. F. W. and T. abundant. S.G.F.W. procurable, T. after notice.	Capital of Kashmir State. Large town, bazar, Hari Parbat fort. Village and shop.
1	Shadipur Sumbhul E.—	...	...	11	4	15	16	23	32	33	34
	Arus Nadihal	...	...	...	...	...	...	...	...	...	...
2	Bundipara P.O., T.O., E.—	...	19	...	...	...	...	Erin bridge.	5200	S. G. F. W. and T. plentiful.	Large villa e and bazar.

NUMBER OF MARCHES	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER-MEDIATE. m. f.	TOTAL. m. f.							
XLVIII ROUTE—contd.										
	<i>Sonervān</i>	19	34 4	Ascent by sharp zigzag of 1 in 7 gradient to top of hill, and 2 miles easy gradient up to pass. .....	.....	Budh kul bridge.	9160	S. and T. nil, W. scanty, G. F. plentiful.	Halting place in forest of pine trees.
	<i>Seribāl</i>	...	36 ...		Tragbal spur.					
	Tragbal <i>B. E., C.—</i>	...	43 ...							
3		11 4	46 ...	.....	.....	.....	11950		
	<i>Safed Paltan</i>	...	51 ...	Similar gradual descent for 2 miles and sharp zigzag down for 3 miles, the road then falls with a gradient of 1 in 10 to Kanzilwan, and continues with a gentle rise to Gurais.	Rajdiangan pass. Down Zudkusu valley. ... ..	.....	...	S. and T. nil, W. from river, G. F. plentiful.	Small maidan.
4	Gorai <i>B. E.—</i>	12 4	58 4	.....	Up Kishengunga valley.	Kishengunga bridge.	7400.		
	<i>Kanzilwan</i>	...	62 4	Hence road continues with an easy gradient up the	.....	Kishengunga bridge. Cross Burzil river twice by bridges. Rathak bridge	7800	S. G. F. W. and T. plentiful.	Fort situated between 2 villages Daner and Man-koot with bazar.
	<i>Mullakadal</i>	...	67 4		.....				
	Gurais <i>P. O., T. O., B., E.—</i>	15 ...	73 4		Up Burzil valley.					
5	<i>Bungla</i>	...	83 4	.....	.....	.....	.....	S. and T. nil, G. F. W. available.	Hamlet.
6	Peshwari <i>B. E.—</i>	14 4	88 ...	.....	.....	.....	.....
		...	91 ...	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
13	XLVIII ROUTE—contd. ... Ramghat or Shaitan Nara.	10	173	4	Doian, whence it descends by long zigzags down the shaly sides of a spur to the Astor river at Ramghat. Good road over stony plain. Ascent by zigzags over spur and gentle descent into Gilgit valley, after crossing the Safed Pari cliffs; Minawar, and thence road rises gradually through open plain. Ascent to Jutial, barracks and through plain to Gilgit.	Up Indus valley left bank.	Astor bridge	3700	Military post.
		10	175	...					
14	Bawanji or Bunji <i>P. O., T. O., B., E.—Pratabpul B., C., E.—</i>	7	4	192	Indus valley left bank. Right bank.	..... Indus iron suspension bridge.	4631 3850	S. G. F. and T. nil, W. procurable. S. G. W. and T. moderate, F. scarce. S. G. F. and T. nil, W. from Indus river.	Fort, village and bazar. On left bank Indus.
		7	...	199					
15	Safed Pari <i>B., E.—</i>	17	...	209	Up Gilgit valley right bank.	.....	.....	Ditto, W. from river.	Cliff.
16	Minawar <i>B., E.—</i>	10	...	219	.....	.....	4000	S. and T. nil, F. W. available, G. scarce.	Small village.
17	Gilgit or Ghit <i>P. O., T. O., B., E.—</i>	9	...	228	.....	.....	4390 5025	S. G. F. T. moderate, W. plentiful.	Military Cantonment, town and bazar, residence of Political Agent, head-quarters of province.

The first two marches are usually done by boat from Srinagar down the Jhelum river and along the eastern shore of Woolar Lake to Bandipura. This road is usually closed by snow between Bandipura and Astor from the 1st November to the 31st May. Footmen can travel through in fine weather during this time. There are block houses on both the passes for shelter and protection from snow-storms. There is much risk in travelling during winter from avalanches, especially in the Zudkusu valley, and in the narrow valley between Burzil Choki and Dorikun bordered by cliffs, where any vibration of the air may shake down the snow.

About a mile west of Sumbhul are interesting ruins at Andarkot or Indrakot.

About one mile beyond Sumbhul the road crosses the canal from the Manus Bal Lake and follows the high bank of the lake to Safeepoor where there is a hot spring and some ruins.

From Bandipura, there is a direct path for footmen only up the Budhkul uala by Atawat over the Dienoor pass, stiff and rugged on both sides to Gurais above 30 miles in length.

A cross road through the hills connects Lalpura in the Lolab with the Zudkusu valley at Gorai. Lalpura 0, Nachiani spur 3 miles, across head of Arpan valley, Kimsaran spur 10 miles, across head of Bunar valley through forest 14 miles, Sata spur 16 miles, down Gorai valley to Gorai 20 miles. Through supplies and transport are needful.

A road has been made on both sides of the Kishengunga river from Kanzilwan to Gurais. In the dry summer the one on left bank is preferable as it passes through much forest and is shaded from the sun. There are bridges over the Kishengunga river at Kanzilwan, Mullakadul, Murkoot, and Gurais.

Gurais is a beautiful valley, one of the sights of Kashmir, a fine open plain about 10 miles in length and 2 miles in width bordered by high mountains topped by cliffs and clothed with fine forest. An azure river, the Kishengunga, stocked with fish, flows down the valley. At the eastern end is a tall pyramidal mountain of limestone, at foot of which is a copious spring said to be the source of the Kishengunga proper. This valley is famous for a hardy race of ponies, who are surefooted and excellent for mountain work.

From Minimarg 93 miles is a track up the Nagai valley eastwards over the Deosir pass and down into the Shingo valley which leads to Kargil. Between Burzil Choki and Astor, several routes branch out eastwards up the side valleys over the Deosai plains to Skardu, the principal of which are entered below.

From Ramghat there is a road along the left bank of the Indus river westwards to Chilas, see Route LXII. At 199 m. 4f. the iron wire suspension bridge over the Indus river, 327 feet span, is named in honour of His Highness the Maharaja Sir Pratap Singh, G.C.S.I.

XLVIIIa KANZILWAN to ASTOR by GUGAI PASS —

	Kanzilwan <i>E—</i> <i>Bakthaor</i>	...	...	62	4	Rough hill track	Down Kishengunga valley.	Kishengunga bridge.	7400	S. G. T. moderate, F. and W. plentiful.	Small village.
5	Thaobut <i>E—</i>	...	9	4	72	...	Up Gugai valley.	Ditto	.....	S. and T. nil, G. F. W. plentiful.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE	TOTAL.							
		m.	f.	m.	f.					
XLVIIIa ROUTE—contd....										
6	Gugai	9	4	72	...	.....	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place.
7	Brasil <i>Riat</i>	10	...	82	...	Gugai pass.	.....	.....	Ditto	Ditto.
8	Lohin Hadol <i>E.—</i> <i>Marnai</i>	14	...	106	...	Down Guraigah valley.	.....	9600	Ditto	Ditto.
9	Pukarkot <i>E.—</i> <i>Rattu</i>	10	...	116	...	.....	.....	...	S. and T. scanty, G. F. W. procurable.	Small village.
10	Chugam <i>E. confined—</i>	12	...	128	...	.....	Mir Malik bridge.	8284	S. and G. scanty, T. and F. procurable, W.—plentiful.	Village.
11	Gurlikot of Astor <i>E.—</i>	10	4	138	4	Down Astor valley.	Rupal bridge.	7800	Ditto	Ditto.

12	Astor (Idgah) <i>P. O., T. O., B., C., E.</i>	7	...	145	4	7838	S. and G. procurable, W. and F. plentiful, T. moderate.	Village, fort, bazar, residence of Raja of Hasora.
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There is little known about this route, though it is in a direct line from Rajdiangan pass northwards to Astor. It is used by shepherds and sportsmen only and is a path for footmen only.

At 132 miles the Rupal river flows into the Guraigah river, and the joint river below is called Astor. The Rupal drains a wide valley of beautiful scenery with some villages, in one Tashing, the cultivated fields adjoin a glacier. Above is an extensive glacier, situated at southern foot of the great Nanga Parbat or Deamir mountain, about 30 miles in length to the head of the valley, where are two passes, Thosho 17,910 feet and Masena 17,000 feet, across which the Chilas tribes from Bunar used to raid into the Astor valley.

XLVIII GURAIIS to ASTOR by KAMRI or BURJI PASS -

5	Gurais <i>P. O., T. O., B., E.— Bungla</i>	...	...	73	4	Fair hill track pass- sable for laden mules and ponies, often used by traders on their return journey to Kashmir, as there is good pasturage and some wood in the Kamri valley. The final ascent to the pass is stony, and the ground on top very spongy; the descent by a sharp zigzag is steep and muddy for 1,000 feet.	Up Burzil valley.	Kishengunga bridge.	7800	S. G. F. W. and T. plentiful.	Fort situated between 2 villages, Daner and Man- koot with bazars. Small village.
6	Gurikot of Gurais <i>E.— Thandapani</i>	13	4	87	...	...	.....	.....	9200	S. F. and T. scarce, G. W. plentiful.	Small village.
7	Kalapani <i>E.—</i>	...	...	89	...	...	.....	.....	11000	F. and W. procurable.	Halting place.
		12	...	95	...	...	.....	.....	13400		
		...	...	99	...	...	.....	.....	.....	S. and T. nil, G. F. W. plentiful.	Ditto.
8	Lohin Hadol <i>Marmai Shankargot or Dirli...</i>	14	...	113	...	...	.....	.....	9600	Ditto.	Ditto.
9	Pukarkot	...	...	116	4	...	.....	.....	.....	S. and T. scanty, G. F. W. procurable.	Small village.
		10	...	119	4	...	.....	.....	.....
		...	...	123	...	...	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.	m.	f.				
XLVIII ROUTE—contd....									
10	<i>Rattu</i> Chagam E.—	...	123 ...	Mirmalik route joins here.	..... Down Astor valley	Mirmalik bridge. Rupal bridge. Astor " Astor "	8284 7800	S. and T. scanty, F. and T. procurable, W. plentiful. Ditto	Village.
11	Garikot of Astor E.—	10	4 145 4	Joins highway from Srinagar to Gilgit.	.....	.....	7838	S. and G. procurable, W. and F. plentiful, T. moderate.	Ditto.
12	Astor (Idgah) or Hasora. P. O., T. O., B., E.—	7	... 152 4						Village, fort, bazar and residence of Raja of Hasora.

On ascending from Gurikot, a high spur 12,438 feet is passed, then Gotomun at the head of one of the branches of the Jeshat stream, where bad avalanches of snow occur, and a stony rise to the Rnaji pass 13,400 feet across an old moraine.

Kalapani is the name given to the upper part of the Kamri valley, well grassed and some shrubs. Encamp at mouth of east side stream about 4 miles down from the pass.

This route is closed by snow from middle of November to end of May. It used to be called shorter than the Dorikun pass route, but is in reality about 3½ miles longer. Avalanches of snow are frequent on both sides of the pass and down the Kamri valley, forming snow bridges over river.

XLVIII. GURAI to DRAS by TILAIL VALLEY—

5	Gurais <i>P. O., T. O., B., E.—</i>	...	...	73	4	.....	.....	Kishengunga bridge.	7800	S. G. F. W. and T. plentiful.	Fort between 2 villages, Daner and Mankoot with bazars and thana or tehsil.
	<i>Churawan</i>	...	...	77	4	Ascent very steep and slippery, right bank Loro-	.....	Burzil bridge.			
				82	...		Chakbal ridge	.....	11000		

6	Lorloken E.—	11	84	4	Up Kishengunga or Tilail valley right bank.	.....	S. and T. nil, G. F. W. procurable.	Small grass plain on edge of birch forest.
	Burnai	...	86	...	...	Kushpat Uri bridge.	.....	Large village.
	Zadgai	...	88	...	...	Kila Shay bridge.	.....
	Purana Tizil	...	90	...	...	Sataui bridge	.....
	Badagam	10	94	4	1,000ft. above Kishengunga river.	Nirilgah	S. G. F. W. and T. plentiful.	Ditto and thana.
	Bodal	9	103	4	Good road passable for laden animals through to Dras.	Gratinar " Bodab "	S. G. F. W. and T. moderate.	Village and thana.
	Gajind Abdulhun	7	109	...	Rocky ascent of easy gradient and gradual descent.	Kishengunga bridge or ford.	S. and T. precarious, G. F. W. available.	Hamlet.
	Koradgai	16	119	...	The road passes through a wide open valley, barley chief cultivation, numerous hamlets.	.....	S. and T. nil, G. F. W. procurable.	Grass plain.
	Haobal	12	139	...	Join Srinagar and Leh road	.....	S. and T. precarious, G. F. W. procurable.	Hamlet.
	Mushki	9	148	...	.....	.....	S. G. F. W. and T. moderate.	Village.
	Dras	7	155	...	.....	.....	Ditto	Series of small villages, fort and thana.
	P. O., B., C., E.—	...	...	...	.....	.....	.....	.....

This road opens 15th June and closes in November on first fall of snow.

From Badagam there is a track fit for laden ponies up the Gratinar valley, which crosses the Bobal and another pass, and descends to the Nagai river, where it joins the road going from Minimarg eastwards to the Shingo river and to Kargil. Another track from Bodal or Barwhai goes up the Bodal ravine and crossing the pass at its head joins the foregoing route at the second march.

Badagam 94 miles 4 furlongs, Bobal or Boda 104 miles, Haddar Bal Maidan or Harrai 113 miles, Tarzi Bir or Danyih Bir 122 miles, Gultarri on Shingo river 131 miles. No supplies and no transport. G. F. W. procurable throughout. Hence a path crosses the river, when fordable, strikes up the Shingo valley left bank, and crossing an intervening ridge emerges on the Deosai plains and joins the main route from Burzil Choki to Skardu about the 124 miles of Route XLIX. There are no bridges on the Shingo river, and it is unfordable after heavy rain and during the melting of the snow.

For paths connecting the Tilail with the Sindh valley, see Routes La and Lb.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
9	Godhai B, E.—	...	131	4	Rough hill path for men on foot only. Riding ponies may be led over the worst places with care.	Up Ditchell valley.	9100	S. and T. precarious, G. F. W. available.	Small village.
10	Bubind E.—	11	142	4		.....	.....	S. and T. nil, G. F. W. procurable.	Village.
			151	4		.....	.....	.....	Foot of pass.
11	Ringmo Chani <i>Thlashing Spung</i> E.—	15	155	4	Ascent and descent of pass extremely steep and rocky with snow slopes. This route was selected by Raja Sir Ram Singh, K.C.B., on his return from Gilgit in 1891 in preference to the Banok La, his ponies and those of his staff got through.	Alumpi La. Down Shikharthang valley.	15200.	Ditto	Halting place.
12	Shikharthang E.—	11	169	...		.....	.....	S. and T. nil, G. scarce, W. F. procurable.	Ditto.
13	Stakchun E.—	6	175	...		.....	.....	Ditto	Hamlet.
14	Katsura E.—	13	188	..	Good road along sandy plain.	Up Indus valley left bank.	.....	S. F. and coolies scanty, G. and W. procurable.	Village.

KLVIII^d GODHAI to SKARDU by ALUMPI LA—

15	Pukora <i>E.</i> —	...	10 ...	198 ...	.....	.....	.....	.....	Ditto.
16	Skardu <i>P. O., T. O., C, E.</i> —	...	10 ...	208 ...	.....	.....	.....	7400	S. G. F. W. and T. plentiful. Cluster of villages, fort and capital of Baltistan.

From Shikarthang 168 miles a route branches off S. E. up the Dora Loomba over the Dori La to Boogival 191 miles, thence N. E. over the Burji La 15,697 feet descending down the Karpitu nala to Karpitu 205 miles, and Skardu 209 miles.

From Astor 149 miles another track south-eastwards joins this route at Thlashing Spung, the junction of the two streams from either pass, ascending the Parishing valley to Popul 159 miles, camp at foot of Banok La 177 miles, cross the Banok La 15,500 feet, and down a ravine to Thlashing Spung 196 miles, and to Shikarthang 201 miles, whence there is a choice of two routes to Skardu as above, that by Katsura is the easier, passing through more cultivation.

The Banok La is seldom used, as this pass is closed earlier than the Alumpi La, and there are 2 small glaciers to cross. Both the passes are open from 1st July to the first fall of snow, and travellers are liable to suffer from the rarity of the air in crossing.

XLVIII ASTOR to RONDU by TRONGO PIR—

10	Astor or Hasora <i>P. O., T. O., E.</i>—	...	...	149 ...	Rough hill path for men on foot only.	Up Parishing valley right bank.	Astor bridge Parishing bridge.	7838	S. G. F. W. and T. available.	Fort, village, bazar and tehsil.
11	Popul	...	10 ...	153 ...	Gradual ascent to top of pass and steep descent.	.....	.....	.....	S. and T. nil, G. F. W. procurable.	Small village.
12	Deorwhey	...	8 ...	167 ...	Road open for 3 months, July to October inclusive.	Up Deorwhey ravine, Trongo Pir.	.....	15637	Ditto	Halting place.
13	Chutabar	...	13 ...	180 ...	.....	Down Tukchun valley right bank.	Tukchun bridge.	.....	Ditto	Hamlet.
	<i>Harpo</i>	...	...	185 ...	.....	.....	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLINGS		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA-LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
KLIVILLE ROUTE—contd ...									
14	Rondu (Mendi) ...	... ..	185 ...	Steep descent to Indus river.	Indus valley	.....	6650	S. G. F. W. and T. moderate.	Cluster of villages, residence of Raja.
		14 ...	194 ...						

There is an alternative track by Hurpo La 16,785 feet, where a mile of glacier has to be crossed. Astor 149 miles, Popul 159 miles, Camp at foot of pass, 170 miles 4 furlongs, Hurpo La 173 miles, down the Tukehun valley to Papothang 182 miles, Hurpo 192 miles, and Mendi or Kondu 200 miles. This road is not open until much later in July. Unladen ponies are crossed over.

From Dashkin 163 miles 4 furlongs the Indian Atlas sheet shows a path up the Dichil valley from the right bank of the Astor river to a high pass over the dividing range; thence after crossing the head of the Sapsar nala and a spur, the path descends down the Kurubar nala to Fulchurch on the left bank of the Indus river, a distance probably of 30 miles. Fulchurch is 15 miles west of Rondu, and on the right bank of the Indus river opposite are two tracks leading to Skardu, see Route XLV.

XLIX SRINAGAR TO SKARDU by GURAI and DEOSAI PLAINS—

1	Srinagar P. O., T. O., C. E.— Shadipur	...	...	0 ...	Carriage road for 6 miles and thence 10 ft. road passable for all laden animals through to Burzil Choki.	Down Jhelum valley left bank. Do. right bank.	.....	5235	S. G. F. W. and T. abundant. S.G.F.W. procurable, T., after notice.	Capital of Kashmir State. Large town, bazar and Hari Parbat fort. Village and shops.
	Sumbul	...	15 4	15 4						
	E.—	...	...	23 4	Road from Sumbul skirts northern shore of Manus	Along Eastern shore of Woolar Lake.	Jhelum "	.....	
	Ajra	...	...	33 4	shore of	Woolar Lake.	Erin "			

2	Bundipura P. O., T. O., E.—	19	...	34	4	Bal Lake and the eastern shore of Woolar Lake, nearly level to Bundipura with a few ups and downs over spurs.	...	...	5203	S. G. F. W. and T. plentiful.	Large village and bazar.
3	Tragbal B. E. C.—	11	4	46	...	Tragbal spur	Tragbal spur	...	9160	S. and T. nil, W. scarce, G. F. plentiful.	Halting place in forest of pine trees.
	<i>Safed Pattar</i>	...	...	51	...	Rajdiangan pass.	Rajdiangan pass.	...	11950		
4	Gorai B. E.—	12	4	58	4	Hence sharp zigzag ascent of 1 in 7 gradient to valley.	Down Zudkusu valley.	...	...	S. and T. nil, W. from river, G. F. plentiful.	Small maidan.
	<i>Kanzitwan</i>	...	...	62	4	Tragbal and top of hill, with 2 miles easy gradient on both sides of pass, then sharp zigzag descent for 3 miles and gradient of 1 in 10 falls to Kishengunga, and easy rise up this and Burzil valley.	Up Kishengunga valley.	Kishengunga bridge.	7400		
5	Gurais P. O., T. O., B. E.—	15	...	73	4		Up Burzil valley.	Kishengunga bridge.	7800	S. G. F. W. and T. plentiful.	Town and tehsil or thana, bazars in vicinity.
6	Peshwari B. E.—	14	4	88	...		...	Cross Burzil twice by bridges.	...	S. and T. nil, G. F. W. available.	Hamlet.
	<i>Minimarg</i> T. O.—	...	...	93	...		...		.9700	.....	Small village.
7	Burzil Choki B. E.—	11	...	99	...		...	Burzil bridge	10740	Ditto	Maidan and forest patches.
		...	...	102	4		Stakpita pass	...	12900		
		...	...	104	4	From Burzil Choki the road turns off N. E. to the Deosai or Devil's plains which are stony and barren, devoid of vegetation, the home of marmots and musquitoses, early in the season, when the snow	...	Head Shingo ford.	13860		
		...	...	107	...		Sarsingar pass	...			
		...	...	107	4		...	2 small lakes.			
8	Sikhabach E.—	15	...	114	...		...	Jerbarcho	13160	S. G. F. T. nil, W. plentiful.	Halting place.
	<i>Chumda kut</i>	...	...	117	...		...	Lake 3 miles distant N. W.			
		...	...	120	4		...	Kinawai ford.			
		...	...	124	...		...	Barwai "			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XLIX	<i>ROUTE—contd.</i>	...	124 ...						
9	Lalpani <i>E.—</i> <i>Ali Malik Marhi</i>	13 ...	127 ... 129 ... 132 ...	is melting, the rivers are full and deep, and fording is difficult.	..... ..... .....	Lamalung ford Pialung ".....	12500 13399	S. F. T. nil, G. poor, W. plentiful.	Halting place.
10	Usar Mar <i>E.—</i>	12 ...	139 ...	Laden mules can be taken by this route, though there are places where the loads must be taken off and carried by men over the difficulty.	..... Burji La	.....	13970 15700	Ditto	Ditto.
11	Karpitu <i>E.—</i>	16 ...	155 ...		.....	.....	7636	Ditto	Village.
12	Skardu <i>P. O., T. O., C. E.—</i>	3 4	157 4 158 4	From Burji La is a fair road to the Indus river.	Indus valley	Satpur ford.	7400	S. G. F. W. and T. plentiful.	Cluster of villages. Fort, Waziri Wusarat, Capital of Baltistan.

At 117 miles, a track N. W. to the Jerbarcho or Cherosar Lake 3 miles distant, skirts the Northern shore, crosses the Chuchor La and descends down a ravine, which falls into the Burzil river at the 118 miles 4 furlongs of Route XLVIII. The total distance apart being 17 miles. The Deosai plains are in reality a basin of 12,000 to 13,000 ft. elevation surrounded by high mountains with a single outlet to the S. E. the Shigar river, which flows into the Shingo river shortly before the latter falls into the Dras river. This plateau is not safe to cross before July or after September, as the snow lies deep and the high winds cause snow-drifts. There is little or no wood, occasional juniper roots serve as fuel. There is

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
20	Korophon	...	8 ...	...	Up Punmah valley right bank.	Biafo glacier	10145	S. and T. nil, G. F. W. procurable.	Halting place.
	<i>Dumordo</i>	...	...	...	...	...	....	Ditto	Ditto.
21	Tsok	...	16 ...	Path along bed of torrent over boulders.	...	...	....	Ditto	Ditto.
22	Punmah	...	6 ...	Path along edge of glacier on right bank.	...	Punmah glacier.	10318	S. G. F. T. nil, W. melted snow.	Ditto.
23	Chongulter	...	8 ...	...	Cross glacier to left bank.	...	....	Ditto	Ditto.
24	Shingchakpi	...	8 ...	...	...	...	....	Ditto	Ditto.
25	Skeenmang	...	6 ...	Rough and tedious way up the glacier, making detours to avoid crevices.	Up Chiring valley.	Mouth of Nambundi Sobundi glacier.	....	S. F. T. nil, G. moderate, W. melted snow.	Grassy level space.
26	Tsokar	...	6 ...	...	...	...	....
27	Chiring	...	6 ...	...	...	...	....	Ditto	Halting place at end of spur.

Hence there used formerly to be two routes leading over the high Mustagh range towards Yarkund, the two passes being about 12 miles apart. Both have been disused for 30 years, partly owing to changes in the glaciers and to fear of robbers on the Northern side of the range. The route recorded by Major Godwin Austen in 1863 is as under :—

<i>Mustagh pass</i>	...	14	...	324	Mustagh or Karakoram range of mountains.	18400 19003	Western pass. Eastern pass.
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On the northern side, this route, as explored by Lieutenant F. E. Younghusband in 1887, descended down a glacier and after joining the route from the other Mustagh pass at Parong and another path from the Shimshal pass (due west which leads into Hunza) at Sugat jungle, came to the Shaksgam or Oprang valley and thence reached the Yarkund river either at Gil or at Dora by crossing the Aghil Dawan pass 16,500 feet in to Raskum. There is no path yet known onwards down the Yarkund valley, owing it is said to high cliffs which border the river. From Dora, this route goes eastwards up the Yarkund valley to Chiragh Saldi, and thence northwards over the Chiragh Saldi and Tashkurgan passes by Kugiar and Kargalik to Yarkund. Another route from Skardu towards Yarkund formerly existed up the Shayok valley to Khapalu, thence up the Saltoro valley and the Bilafun glacier to a high pass over the Mustagh range. This route has long been abandoned for similar reasons. The natural difficulties to be met with in crossing the lofty Mustagh chain of mountains are so serious as to render it improbable that traffic between Kashmir and Yarkund will ever take this direction. If Gilgit could become a trade centre like Leh, traffic would be more likely to seek a passage this way, now that the passes above Hunza are open and that a stop has been put to Hunza raids. From Khutti 178 miles there is a shorter path up the Skoro valley over the Skoro La 16,644 feet to Askole which is open in summer, by Kutzah, 12,553 feet, Nangbrok 190 miles, over pass and glacier 6 miles long to Thlabrok 204 miles, and Askole 208 miles, crossing the Braldu river by a bridge of large span, 270 feet, at Askole. From Punmah upwards for 6 marches, the way is either alongside the moraine shed from the glacier, crossing the tributary side glaciers or upon the main glacier, avoiding rock ridges and large crevasses. Though some of these marches may appear short, the way is very devious to avoid obstructions. There is difficulty in finding a proper path, while at that high elevation the rarified air induces quick respiration and any exertion is followed by great fatigue. Many persons suffer greatly. From Askole upwards in a direct course, the distance over the glaciers would not exceed 50 miles rising 9,000 feet to the top of the Mustagh pass; the average gradient of the glaciers seems therefore fairly easy. On the north side of the Mustagh pass, the way is down a similar extensive glacier so that for at least 10 marches travellers must carry grass and wood fuel, besides supplies for men and animals.

L SRINAGAR to SKARDU by DRAS—

Srinagar <i>F. O., T. O., C., E.—</i>	0	...	This first stage by land or water along good road or by boat across	Jhelum valley.	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State, large town, bazaars, Hari Parbat Fort.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEAL LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
L	<i>ROUTE—contd.</i>	...	0	...					
1	Gunderbul <i>E.—</i>	14	2	Anchar Lake or down Jhelum river to Shadipur and up Sindh river.	Up Sindh valley left bank.	Sindh bridge. Ditto.	5230	S. G. F. and coolies available, W. plentiful.	Village.
2	Khangan <i>E.—</i> <i>Haiyan</i>	11	3	Hence a good road up Sindh valley passable for laden animals.	Right bank	Ditto	6000	Ditto	Ditto.
3	Gund <i>E.—</i> <i>Kulan, E. confined—</i>	13	6	.....	.....	Cross Sindh river several times according to present state of bridges.	6700	Ditto	Ditto.
4	Gugangair <i>E.—</i>	8	...	Road rough and rocky, but passable for horses.	.....	Sindh bridge. Ditto	7400	S. nil, G. and T. moderate, F. and W. plentiful.	Small village.
5	Sonamarg <i>P. O., T. O., E., some old log huts—</i>	7	2	Road good	Left bank Right "	Sindh bridge. Ditto	8650	S. scarce, T. moderate, G. F. W. plentiful.	Sanitarium on grassy downs.
6	Baltal <i>E.—</i>	9	...	Steep ascent for about 2,000 feet, and very gradual descent on north side.	..... Zoji La	Ditto	9000 11300	S. and T. nil, G. F. W. procurable.	Huts.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL						
		m.	f.						
L	ROUTE—contd.	...	165	...					
14	Kartaksho or Kharmanang. <i>E—</i>	17	173	4	Fair road on right bank, while that on left bank crosses over high stony ridge, then fairly level along river. From Tolti steep ascent over high cliffs and easy descent to level ground and cultivation.	Down Indus valley left bank.	Indus rope bridge.	S. G. F. W. and T. available.	Fort and large village on right bank of Indus river.
			178	4	...	...	Ingotcho.		
15	Tolti <i>E—</i> <i>Shadock</i>	12	185	4	...	...	Ditto	S. G. F. W. and T. moderate.	Village and fort on left bank.
		...	194	...	...	...	Kusuracho. Dumsuncho.		
16	Parkuta <i>E—</i> <i>Serni</i>	14	199	4	From Parkuta fair road, crossing several rock stairs with long strips of cultivation.	...	Katicho.	S. G. F. W. and T. plentiful.	Large village and fort.
		...	204	4	...	...	Murkocho.		
17	Gol <i>E—</i>	12	212	...	From Gol level road, crossing several rocky spurs and stony.	...	Golcho.	S. G. F. T. moderate, W. plentiful.	Village.
18	Kepchung <i>E—</i> <i>Grupi</i>	17	229	...	From Kepchung road very good and level.	...	...	Ditto	Ditto.
		...	230	...	...	...	Kepchungcho.		

19	Skardun <i>P. O., T. O., C., E.—</i>	4	...	233	7400	S. G. F. W. and T. plentiful.	Capital of Baltistan. Cluster of villages, fort, tehsil or thana.
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This road is usually open from June to November inclusive.

Dr. A. Neve states that there is a direct mountain path from the Shalimar bagh on the N. E. corner of Dul Lake at Srinagar in a northerly direction over a ridge above 9,000 feet high and descending through the forest to Haiyan in the Sindh valley about 15 miles in length. From Haiyan the traveller could go to Kulian and the next day to Sonamarg.

From the Sindh river bridge 22 miles 4 furlongs, there is a road down the right bank of the river past Mangam 26 miles, to the Manusbal Lake 36 miles, along an old irrigation canal from the Sindh river and joins the Gilgit road near Sufertpur 38 miles at the N. E. corner of the Lake. In returning from the Sindh valley, travellers often take this route down to Manusbal. On the south side of the lake are the limestone quarries which supply the City of Srinagar.

From Parkuta 199 miles 4 furlongs, a track goes westwards up the Katichu valley by Soombda and Dhuppa over the Katichu La 15,053 feet, and goes across the head of the Sutpur Chu to Ali Malik-ke-mur on the Deosai plains, the distance is 40 miles, and is passable for ponies.

From Sermi 204 miles 4 furlongs, a path goes westwards up the Murko Loomba, and crossing the Gonnathang Migo pass, it turns northwards down the Kephchung nala to Grapi at mile 230 of the main road. The distance by this pass is about the same.

From Gol 212 miles another path goes westwards up this nala over the Thurigo pass, and turns northwards down the Kephchung nala to Grapi at mile 230 of main road. The distance by this pass also is about the same.

L₂ SINDH VALLEY TO TILAIL VALLEY by GUNGABUL NAG—under HARAMOOK PEAK—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	By good road or by boat to Gunder- bul.	.....	.....	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State.
1	Gunderbul <i>E.— Nunar</i>	...	14	2	14	2	Good road to the Sindh bridge and fair path to Wangut.	Up Sindh valley.	5230	S. G. F. and coolies available, W. plentiful.	Village.
2	Drogdun or Pron <i>E.— Kachuambul</i>	...	10	...	24	2	.....	Up Kank- wai valley right bank.	.....	S. nil, G. F. W. plentiful, few coolies.	Small village.
		...	...	27	2	2					

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
1a	ROUTE—contd.	...	...	27	2	.....	.....	6800	S. and T. nil, G. F. W. procurable.	Small village.
3	Wangut E.— Temple ruins	8	2	32	4	.....	Nagbul spring	.....	.....	Rajdainbul and Nagbul temples. Limit of birch forest.
4	Tronkul E.—	8	4	41	...	.....	... ..	10000	Ditto	
5	Gungabul Nag E.—	6	4	47	4	.....	.....	11800	S. F. T. nil, G. W. available.	Sacred Lake.
6	Migadol Nag E.—	6	...	53	4	Sat Saran pass. Down Shah and Nai glen.	... ..	.....	Ditto	Lake.
7	Gadasir E.—	6	...	59	4	.....	Gadasir nala	.....	S. and T. nil, G. F. W. procurable.	On river bank.
8	Lahun-i-thul E.—	9	...	68	4	Renino ridge.	Lahun-i-thul nala.	.....	Ditto	Ditto.
	Wazri Thul	...	...	72	4	.....	.....	.....	.....
		...	...	73	4	Cross spur.	.....	.....	.....

9	Badagam E.—	...	6	4	75	Tilail valley	Kishengunga bridge.	8250	S. G. F. W. and T. available.	Large village and thana on right bank Kishen- gunga.
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There are several lakes in the vicinity of Gungabul nag north of Haramook Peak 16,903 feet, and the northern glacier from the latter comes right down to the Gungabul lake.

This is a great place of pilgrimage, and is said to be one of the sources of the Ganges. Passing westwards between Gungabul nag and Loolgool nag and crossing an intervening ridge, Sirbal nag or Kola Sar is reached about 4 miles distant, hence there is a path which crosses another ridge 14,000 feet, and drops steeply and westerly down the Erin nala to Kodoor 7,000 feet and 9 miles, and to Bandipura 5,200 feet, and 13 miles. Total distance from Gungabul to Bandipura 26 miles.

The ascent of the Haramook Peak is usually made from Sirbal nag.

There is another approach to Gungabul nag from the Sindh valley by the Chittengool nala and the Brahimsar pass, crossing the head of the Kankwai valley. The same route is followed to the Sindh bridge 22 miles 4 furlongs, whence road turns off due north to Chittengool 25 miles 4 furlongs, Brahimsar nag 34 miles 4 furlongs, pass 36 miles, Gungabul nag 44 miles.

This road is traversed by laden ponies and mules from June until the first fall of snow in November.

L⁶ SONAMARG to TILAIL VALLEY—*Eates No. 73.*

5	Sonamarg P. O., T. O., E.— Saribal	54	5	Good hill path through grassy valley with patches of birch forest.	Up Nichinai valley. ..... .....	..... Sindh Mair bridge.	8650	S. scarce, T. moderate, G. F. W. plentiful. 	Sanitarium. Marg.
6	Nichinai E.—	...	7	...	61	5	13500	S. and T. nil, G. F. W. procurable.	Halting place.
7	Krishan Sar E.—	...	8	...	63	4	Steep ascent and easy descent over snow.	Nichinai Saga. Across head of Raman Sind.	Vishan Sar.	12000	S. and T. nil, F. scarce, G. W. plentiful.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
1	ROUTE—contd.	8	69	5					
			71	...	Cross ridge.	.....	13000		
			73	...	Down Gadasir valley.	Gurasar nag.			
8	Mushdi Nar E.—	8	77	5	..... Renino ridge	.....	10000 13000	S. and T. nil. G. F. W. plentiful.	Halting place.
9	Lohun-i-Thul or Dokolla Bal E. end.— Wazir Thul	5	82	5	Across Lohun-i-Thul valley.	Lohun-i-Thul nala.	9000	Ditto	Ditto.
			88	4	Cross spur	.....	11500		
10	Badagam P. O., E.—	7	90	...	Tilail valley	Kishengunga bridge.	8250	S. G. and T. moderate, W. plentiful.	Large village and thana on right bank Kishen- gunga.

Some of these distances given in the route book appear too short.

There is another path from Saribal nag, which after crossing the Nihinai range follows down the Raman valley, when the river is fordable, and leads to the village of Bodal in the Tilail valley, crossing the Kishengunga by the Anaikot bridge, the total distance from Sonamarg being about 50 miles.

Another path from Sonamarg, after crossing the Sind bridge east, goes northwards up the Niligar ravine, crosses a high pass and glacier and descends down the Nilinai nala to the point where it falls into the Koradgai or Mushki river, and joins the road from the Tilail valley to Dras. See Route XLVIIIc, at the eastern foot of the Koombul pass, the whole distance being about 25 miles.

1c DRAS TO GURALS by SHINGO VALLEY —

	Dras P. O., T. O., B., C., E.	...	...	91	4	Rough and rugged path, over high spurs and along river, passable for footmen.	Up Marpo Chu.	.....	9825	S. G. F. W. and T. moderate.	Series of small vil- lages, fort and thana.
1	Marpo E.—	...	11	4	103	0	.....	.....	.....	S. and T. nil, G. F. W. procurable.	Halting place.
2	Sumalo E.—	...	18	...	121	...	Marpo La down Moondi valley. Up Shingo valley right bank.	.....	.....	Ditto	Hamlet.
3	Gultar E.—	...	5	...	126	...	Fair path along the valley broken by many ups and downs.	.....	.....	S. precarious, G. F. W. available, few coolies.	Small village.
4	Camp	...	10	...	136	...	.....	.....	.....	S. and T. nil, G. F. W. procurable.	Halting place.
5	Dumel E.—	...	10	...	146	...	E a s y ascent and descent over the intervening ridges	.....	.....	Ditto	Ditto.
6	Nagai E.—	...	11	...	153	...	Cross ridge down Nagai glen.	.....	.....	Ditto	Ditto.
					157	...	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE.	TOTAL.	m. f.						
1c	<i>ROUTE—contd.</i>	11	157	...	Join Gilgit road 93 miles between Gurais and Astor.	Down Burzil valley.	Burzil	.....	....	Hamlet on Gilgit road.
	<i>Minimarg</i>	...	167	...						
7	Peshwari <i>E.—</i>	15	172	...	.....	.....	.....	.....	S. G. F. W. and T. moderate.	Hamlet.
8	Gurais <i>P. O., T. O., B., E.—</i>	14	186	4	.....	Kishengunga valley.	Kishengunga bridge.	7800	S. G. F. W. and T. plentiful.	Fort and thana situated between villages Dander and Markoot with small bazars.

This route is seldom used as there are no supplies and no coolies available. It is passable from July to October inclusive.

From Gultar 126 miles, a path westwards leads both to Bodal and Badagam in Tilail valley.

From Dumel 146 miles, a track crosses the Shingo river when fordable and continues up the left bank for 20 miles to the head of the valley, where it joins mile 104 of Route XLIX, Srinagar to Skardu between the Stakpita and Sarsingar passes.

From Nagai 157 miles, another path southwards over the Bobal pass and down the Gratinar ravine to Badagam in the Tilail valley.

From Dras 91 miles 4 furlongs, there is a loop route to Sumalo down left bank Dras valley to Tashgam 106 miles 4 furlongs, and Kuksar at junction of Shingo river 115 miles; thence up Shingo valley right bank to Thatanot 125 miles, Kunar 135 miles, Fransart 144 miles, here it crosses the Shingo river to left bank and continues to Chamalong 151 miles, whence it either re-crosses the same river to Sumalo 157 miles, or continues up the left bank of the Shingo valley for 50 miles to its head at the eastern foot of the Stakpita pass.

Ld KARGIL or KARKITCHU to ASTOR by SHIGAR VALLEY and DEOSAI PLAINS—

	Kargil <i>P. O., T. O., C., E—</i>	...	...	...	...	...	Along Leh road to Chunagund 8 miles and cross Dras river to Karkitchu.	Up Dras valley. Up Shigar valley left bank.	Dras bridge	9390	S. G. F. W. and T. moderate.	Small village.
1	Karkitchu <i>E—</i>	...	11	...	120	4	Rough and rugged path, very difficult in places for laden animals.	.....	Dras bridge	9390	S. G. F. W. and T. moderate.	Small village.
2	Dring	...	10	4	131 134 138	...	.....	.....	.....	.....	S. and T. scanty, G. F. W. procurable.	Ditto.
3	Ruia	...	9	...	140	...	.....	.....	Phluktswai. Junction of Shingo and Shigar rivers.	.....	Ditto	Ditto.
4	Mutial or Gunial	...	10	...	150	...	.....	.....	Karpuchu	.....	Ditto	Ditto.
5	Das	...	13	...	163	...	Path improves as valley widens out and emerges on to Deosai plains.	.....	.....	.....	S. and T. nil, G. F. scanty, W. plentiful.	Hamlet.
6	Katasiri	...	18	...	181	...	.....	.....	.....	.....	Ditto	Halting place.
7	Chumda Kut	...	16	...	185 197	...	.....	.....	Shigar ford.	.....	Ditto	Ditto.
8	Cherosar	...	9	...	206	...	Crosses road from Srinagar to Skardu at 120 miles, Route XLIX.	Deosai plains	.....	...	Ditto	Ditto.
					207	4	.....	.....	Jerbarcho lake.	.....	Ditto	Ditto.
								Chuchor La.				

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
1	ROUTE— <i>contd.</i>	...	...	207	4	Down Chor Chu.				
9	Das	...	...	216	...	Join Gilgit road at mile 119 of Route XLVIII.				
10	Godhai <i>E. Gurikot</i>	13	...	219	...	Down Burzil valley.	...	.....	S. and T. nil, G. F. W. available.	Small village.
11	Astor <i>P. O., T. O., B., E.—</i>	10	4	229	4	Down Astor valley.	.....	...	Ditto	Ditto.
		17	4	240	...	Astor bridge	...	7800	S. G. F. W. and T. moderate.	Fort and thana, residence of Raja of Hasora.
		...	...	247	...	.....	...	7800		

From Mutial 149 miles, a path branches off up to the head of the Karpachu valley and crossing the Bari La, 178 miles, descends down the Priniking Chu valley to its junction with the Upper Shigar river, and crossing the latter 204 miles, it joins at 205 miles the Srinagar and Skardu route XLIX at the crossing of the Pialungwai, 128 miles 4 furlongs between Kalapani and Ali Malikke Mur on the Deosai plains.

L KARKITCHU TO PARKUTA by KHORABORIGO LA

10	Karkitchu	...	...	120	4	Rough and rugged path, very difficult in places for laden animals.	.....	.....	S. G. F. W. and T. moderate.	Small village.
		...	...	125	...	Up Shigar valley left bank.	.....	.....

11	Dring	...	10	4	131	...	.....	.....	.....	S. and T. scanty, G. F. W. procurable.	Ditto.
12	Auril	...	9	...	140	...	.....	Up Phultukswai valley. .....	.....	S. G. F. T. moderate, W. plentiful.	Ditto.
13	Phultuks	...	7	...	147	...	.....	.....	.....	Ditto	Village.
14	Phultuks Tso	...	11	...	158 164	...	.....	.....	Lake	S. and T. nil, G. F. W. procurable.	Halting place.
15	Rongul	...	20	...	178	...	.....	Down Genial valley.	.....	Ditto	Hamlet.
16	Shadoek	...	9	...	187	...	Join the Skardu road at mile 194 and continue to Parkuta, mile 199½.	Indus valley left bank.	Dumsumchu	S. and T. scanty, G. F. W. procurable.	Small village.
17	Parkuta	...	5	4	192	4	.....	Indus valley	.....	S. G. F. W. and T. plentiful.	Large village and fort.

This route is more direct and 7 miles shorter than the main road down the Suru and Indus valleys.

From mile 152½ about half-way between Phultuks and the Lake, a path turns eastwards 30 miles long over the Torgoon La, and down the Torgoon Chu by Dado Niril to Shirting at mile 160 of the main road L.

From the same point following the same path over the Torgoon La for the first 10 miles, another track diverges northwards across the heads of the two valleys, Torgoon and Gidiardo Loongma, and the intervening spur between and crossing another ridge by the Khunay La, it drops down the Kusura Loongma by Thasing to Tolti at mile 185½ of the main road. The total distance of this transmontane route from Phultuks to Tolti is 40 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LI SRINAGAR to LEH by DRAS—									
1	Srinagar <i>P. O., T. O., C., E.—</i>	...	0	The first stage by road or by boat, either across either lake or down Jhelum river to Shadipur and up Sindh river to Gunderbul Hence a good road up Sindh valley, passable for laden animals.	Jhelum valley	..	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State, large town, bazars, Hari Parbat fort.
	Gunderbul <i>E.—</i>	14	14		Up Sindh valley left bank.	Sindh bridge Ditto.	5230	S. G. F. and coolies available, W. plentiful.	Village
	Khangan <i>E.—</i>	11	25		Right bank	Ditto	6000	Ditto	Ditto.
	<i>Haiyan</i> <i>Surphar</i>	...	30		...	Cross Sindh river several times according to present state of bridges.			
3	Gund	...	35	.....	.....		6700	Ditto	Ditto.
	<i>Kulan E. confined—</i>	13	39		.....			
			43						

4	Gugangair E.—	...	8	...	47	3	Road rough and rocky but passable for horses.	.....	Left bank	.....	Sindh bridge.	7400	S. nil, G. and T. moderate, F. and W. plentiful.	Small village.
5	Sonamarg P. O., T. O., E. some old log huts	...	7	2	54	5	Road good	.....	Right bank	.....	Ditto.	8650	S. scarce, T. moderate, G. F. W. plentiful.	Sanitarium on grassy downs.
6	Baltal E.—	...	9	...	63	5	Steep ascent for about 2,000 feet and very gradual descent on north side.	.....	Zoji La	.....	.....	9000	S. and T. nil, G. F. W. procurable.	Huts.
7	Matayan B., E.— Pandras	...	15	...	78	5	Down Goomber or Dras valley left bank.	.....	Mushki bridge.	.....	.....	11300	S. nil, F. T. moderate, G. W. procurable.	Hamlets.
8	Dras P. O., T. O., B., C., E.	...	12	7	91	4	Rough and stony road.	.....	Marpochu „	.....	.....	9825	S. G. F. W. and T. moderate.	Series of small villages, fort and thana, 3 stone pillars.
9	Tashgam B., E.— Kharbu E.	...	15	...	106	4	.....	.....	Right bank	.....	Dras bridge	9390	Ditto	Village and thana.
10	Chunagund E.—	...	15	...	121	4	Road rough and broken.	.....	Up Suru valley left bank.	.....	.....	8675	S. and T. nil, G. F. W. procurable.	Police station.
11	Kargil P. O., T. O., B., E.— Pashkim E.	...	6	...	127	4	Road over sandy plateau.	.....	Up Wak-kachu valley left bank.	.....	Wakka bridge	8787	S. G. F. W. and T. plentiful.	Capital of Parik, fort and thana.
		...	...	...	133	...	.....	.....	.....	.....	.....	.....	.. ..	Large village and fort.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
11	ROUTE—contd.	...	133 ...						
12	Shergol <i>B., E.— Mulbeck</i>	18 ...	6 146 2	Road good	.....	.....	10290	S. G. F. W. and T. available.	Village and Bud- dhist monastery. Large monastery and colossal figure cut out of rock.
13	Kharbu <i>Hiniakoot</i>	19 ...	... 149 158 ...	Easy ascent and descent.	Namika La	.....	13000	Ditto	Group of villages.
14	Lamayuru <i>B., E.— Khalsi</i>	15 ...	... 165 2 ... 172 4	Easy ascent and descent. Road crosses torrent several times.	Up Sange Coona valley. Photu La	.....	10890 13300	S. G. F. W. and T. moderate. Ditto	Large Monastery. Fort. Village.
15	Nurla <i>B., E.—</i>	18 ...	2 180 4 ... 190 4	Good road	Up Indus valley right bank	.....	11400 10000	Ditto	Ditto.
16	Saspul <i>B., E.— Bazgo</i>	14 ...	6 213 4 ... 231 ...	Road rough over granite boulders. Road better, cross- ing plateau.	..... .....	Phochu Drokpo bridge Saspul Drokpo bridge. Bago Drokpo bridge.	..... .....	S. and T. nil, G. F. W. available. S. G. F. W. and T. procurable.	Small village. Large village.

17	Nimu B., E.—	...	11	4	225	...	Road over rough ground and barren plateau.	.....	Suemo Drokpo bridge.	.....	S. G. F. W. and T. moderate.	Small village.
	Phayang B.	...	...	...	236	...	.....	.....	Lunachmo Foo bridge.	.....	.
	Pital	...	...	...	239	...	Good road hence over gravelly slope to Leh.	.....	.....	10500	S. and T. nil, G. F. W. procurable.	Village and monas- tery.
18	Leh P. O., B., C., E.—	...	18	2	243	2	.....	.....	.....	11400	S. G. F. W. and T. abundant.	Large town and fort, capital of Ladak.

This road is usually open from the middle of June to middle of November, though snow may be met with on top of Zoji La to end of June. It is the chief trade route between Kashmir and Yarkand.

From Kargil, 127 miles 4 furlongs, a path goes eastwards over the Hamothung La to Dumgul on the Indus by Apatihung 136 miles, Hamothung La 140 miles, Laloo 144 miles, Dumgul 151 miles.

For southern route from Kargil 127 miles 4 furlongs by Sankhu 9,970 feet, opposite Kurtse, to Suru 171 miles 4 furlongs, see Route XVI.

From Shergol a track goes westwards over the Naktul La by Yognagil 12 miles to Chaliskot on the Suru river 15 miles. Total 27 miles.

From Mulbeck an alternative track south-eastwards crosses over the Sirwastan La to Kharbu, being about the same distance as by the main road over Namika La.

From Hiniskoot 172 miles, a path goes south-westwards up the Kangi ravine by Kilchu 13 miles, crosses the Kangi La 12 miles, to Ringdom Monastery 15 miles on the Suru or Sankpo river. Total length 40 miles.

From Nurla, 198 miles 6 furlongs, there is an alternative route to Bazgo, which branches off a little beyond the village of Nurla, turns up a ravine northwards to Timisgam 203 miles, rising about 1,500 feet. It then goes eastwards to Hemis Shukpa, where there is a grove of pencil cedars and the ruins of an old tower 210 miles, and continuing along the high plateau broken by occasional ravines, Tarutse 220 miles is reached, and then Bazgo 226 miles. If this upper route be taken, the stages from Nurla would become Hemis, Bazgo, Phayang and Leh.

LII SINDH VALLEY TO LIDAR VALLEY by JAJIMARG and DACHINPARA—

	Kulan <i>E. continued— Zairind E. Yemsa Nag E.</i>	...	...	43	3	Road from Kulan to Lidarwat not safe for laden ponies, very slip- pery and danger- ous in wet wea- ther.	.....	Sindh bridge	.....	S. G. F. W. and T. moderate.	Small village.
		...	...	47	...	.....	.....	Lake.	14000		
		...	...	51	4	Basmai range	.....	.....	.....	S. and T. nil, G. W. plentiful, F. dwarf Juniper.	Halting place.
1	Sekiwas in Jaji- marg. E.—	...	14	4	57	Plateau called Jajimarg.	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
1	ROUTE—contd.	...	...	...	...	
2	Lidarwat <i>E.—</i>	...	...	...	...	
3	Aru <i>E.—</i>	...	...	...	...	
4	Pailgam <i>E.—</i>	...	...	...	...	
	<i>Ganeshbal</i>	...	...	...	...	
	<i>Buktot</i>	...	...	...	...	
5	Kishmakam <i>E.—</i>	...	...	...	...	
6	Bawan <i>E.—</i>	...	...	...	...	
7	Islamabad or Anant Nag. <i>P.O., T.O., B., C., E.</i>	...	...	...	...	

There are tracks from two places in the Sindh valley to Jajimarg, viz., Surphar 35 miles, and Kulan 43 miles 3 furlongs. The former is seldom used. Most travellers go first to Sonamarg, and on their return branch off from Kulan. If coming the other way, they take the Kulan route as the nearest to Sonamarg. From Kulan after crossing the Sindh river the road ascends a spur through pine forest for 5 miles, then through birch trees, and ascends the grassy sides of the hill to Yemsa Nag and upwards to the summit, whence an easy descent to Sekiwas. From Jajimarg are paths to the seven lakes, through Nag Baran to Srinagar, through Arphal to Paampur, and through Trahal to Awantipur.

LIb BALTAL to AMARANATH—

6	Baltal	...	...	63	5	This track is only practicable while the snow bridges across the river are able to bear weight. There is no regular path; closed after June.	Up the Sangam Kol or Upper Sindh valley.	.....	9000	S. and T. nil, G. F. W. procurable.	Huts.
7	Panjitarni	...	8	71	5			.....	.....	S. and T. nil, G. W. available, F. Juniper bushes.	Halting place.
8	Amaranath Cave	...	5	76	5		.....	Cave in the gypsum rock.	13000	Nil	Celebrated place of pilgrimage sacred to Siva.

LIc DRAS to ZANSKAR by SURU—

	Dras P. O., T. O., B., C., E. Pranwari	...	...	91	4	Rough road for laden animals. Steep ascent and easy descent.	..... Lamagoos La.	Dras river	9825	S. G. F. W. and T. moderate.	Series of small villages, fort and thana.
1	Umha E.—	...	15	4	104	Gentle ascent and steep descent.	Umha La. Down Nakpo-chu valley.	.....	.....	Ditto	Village.
2	Sankhu	...	9	...	116	Fair hill road	Up Suru valley left bank.	.....	9970	S. G. F. W. and T. procurable.	Junction of Phulangua or Kurtse river.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
1	<i>ROUTE—contd.</i>	...	...				
3	Suru <i>E.—</i>	9 ...	116 ...	Hence steep ascent and descent over Parkutse spur or go round latter along right bank of Sankpo river about 12 miles.	Up Sankpo valley right bank.	Suru bridge	10624	S. G. F. T. moderate, W. plentiful.	Fort and village.
4	Parkutse	6 ...	137 ... 140 ...		Parkutse La. Up Sankpo valley right bank.	.....	.....	S. and T. nil, G. F. W. available.	Small village.
5	Galmatongo	12 ...	152 ...	Easy road passable for laden animals.	.....	.....	.....	Ditto	Huts.
6	Ringdom Gampa Lama serai <i>E.—</i>	17 ...	169 ...	.....	.....	Kungi ford	.....	S. and T. precarious, F. G. W. available.	Lama monastery.
	Turi Tonzu	... ..	171 4	.....	.....	Paller Brokhpoo.	.....	
7	Randun Sankpo <i>E.—</i>	13 ...	182 ...	On both approach- es to this pass, several spurs have to be crossed which break up the road, but the general gradient is easy.	..... Pensi La	.....	.....	S. F. G. T. nil, W. plentiful.	Junction of Maroo or Petgam road at foot of Pensi La. Cross glacier.
8	Chumkurnoo	20 ...	202 ...		Down Doda or Zaskar val- ley left bank.	.....	.....	S. and T. nil, G. F. scanty, W. plentiful.	Halting place.

9	Abring or Roo-shool E—	16	218	...	Rough road but passable.	.....	.....	.....	Ditto	Hamlet.
10	Phe E— <i>Tungring</i>	12	230	...	Fair hill track passable for laden animals.	.....	.....	12000	S. G. F. W. procurable, few coolies.	Village nearly opposite Ating on right bank.
11	Seni Gonpa E—	11	241	...	.....	Right bank	Doda bridge.	11560	Ditto	Village and temple.
12	Padam E—	9	250	...	.....	.....	Seni Tokpho bridge. Tsarap Lingti Chu or Sindu.	11373	S. G. F. W. and T. procurable.	Former capital of Zanskar, village and fort.

From Sankhu 116 miles after crossing the Suru river there is a road eastwards up the Phulangma or Kurtse river to Kurtse 119 miles, a small town, and Itchu 137 miles, whence there is said to be a difficult footpath up the Hang ravine south-east over the high range to Ringdom monastery 161 miles.

From Ringdom 169 miles there is a difficult footpath over the Lima Lursa La 184 miles, across the head of the Omachu valley to Kesi La 208 miles, across the head of the Lunung Chu valley to Hulooma La 214 miles and 15,453 feet, down Tchelong Chu valley to its junction with the Omachu 222 miles, crossing the spur on both sides of this river, up the left bank of the Zanskar river by Hanomil 234 miles, Pidum 240 miles, Zozar 252 miles and 11,583 feet, where there is a rope bridge over the Doda or Zanskar river and along the right bank to Thonde 260 miles, and to Padam 270 miles.

At Tungring, join road from Umasi La, see Route XVII.

LEH SRINAGAR to LEH by SURU—

THERE ARE SEVERAL POSSIBLE ROUTES ACROSS THE HILL COUNTRY AS SHOWN IN THE FOLLOWING TABLE. FIRSTLY, OF PASSES BETWEEN THE JHELEUM, DACHINPORA OR LIDAR AND THE MAROO OR WURDWAN VALLEYS.

SUNASUR NAG.	KISSLIN GULLI OR DIDOOF NAG.		HAIBBUL GULLI.		NILTOPA GULLI OR CHOR NAG.		MARGAN PASS OR SHILSAR PASS.		HOKSAR PASS.	
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
Srinagar	0	0	Srinagar	0	Srinagar	0	Srinagar	0	Srinagar	0
Takt-i-Suli- man 6,263ft.	3									
Gupcar	4	8	Pampur	8	Pampur	8	Pampur	8	Pampur	8
Nishat Bagh	7	18	Awantipur	18	Awantipur	18	Awantipur	18	Awantipur	18
Shalimar	9	25	Bij Behara	25	Bij Behara	29	Bij Behara	29	Bij Behara	29
Harwan	11	36	Up Patarkool (Sotoor for Nag- baran.)	36	Across Dachinpara	...	Islamabad	35	Islamabad	35
Dajgaon	8	33	Salee	43	Salee	43	Achibal	41	Up Bringham valley.	41
Nagbaran	13	37	Veil	47½	Veil	47½	Shangus	46	Sagam	48
Srinagar	0	37	Mesaj pass	49	Mesaj pass	49	Shangus	46	Wangam	54
Pampur	8	42	Gowrun	51	Gowrun	51	Hurrikun gulli.	51	Gohoon	56
Wean	11		Up Kutihar valley		Across Kutihar valley.				Up Noubboog valley and Brinuar ravine.	
Shar	6	14	Lungni valley	14			Karpoor	52		
Westerwan ridge.	17									
Pustuni	19	54	Doodachur Nag nala	54	Rishpura	54	Nowboog	58	Up Noubboog valley.	58

Arphal <i>In Patashkool valley.</i>	...	21	.....	...	Dardpoora ...	55	Kimrun ...	7½ 68½	Gooran ...	9 67	Doos ...	68
Sotoor ...	9 23	Kisslin gulli ...	58	...	Hairbul Nag ...	10 61	Niltopa gulli ...	64½	Margan pass ...	73	Rajparan ...	14 70
Tamnag ridge ...	31	Kisslin ...	13 64	...	Ditto Gulli ...	62	Zamkut ...	9 67½	Inshin ...	16 83	Hoksar pass ...	74½
Nagbaran ...	10 33	Suknis ...	12 76	...	Jajmarg <i>Down Choi Dra-man Nai.</i>	63	Suidraman ...	7½ 75	Baswan ...	91	Down Sutgul valley.	...
Nagbaran ...	33	Wallarhama ...	37	...	.....	...	Baswan Suknis ...	80 13 88	Suknis ...	16 99	...	...
Cross high ridge ...	36	Eishmakan ...	43	...	.....	...	Bij Behara ...	29	Shangus <i>In Arpat or Kuti-har valley.</i>	46	Phamber ...	13 83
Tar Sar ...	37	Lokutpoora springs.	45	...	Suidraman <i>In Wurdwan valley.</i>	11 72	Islamabad ...	6 35	.....	...	Dolwas ridge ...	86
Lidar Wat ...	12 45	Harpot Nag <i>Old Copper mine.</i>	14 51	...	.....	...	Martund ...	6 41	.....	...	...	...
Aru ...	9 54	Goguldar ...	55	...	Baswan ...	77	Watrus ...	8½ 19½	Wutrus ...	47½	Maroo or Pet-gam. <i>In Wurdwan valley.</i>	14 97
Pailgam ...	9 63	Liwapatur ...	57½	...	Suknis ...	13 85	Metmoo ...	53	Halkun gulli ...	52	...	...
Tanin ...	10 73	Lungni valley ...	8 59	...	.....	...	Saagam ...	7½ 57	Nowboog ...	10 56	...	...
Zoiypul ...	78	Didoof Nag and gulli.	62	...	.....	...	Chor Nag gulli ...	69	Gooran ...	9 65	...	...
Sunasur Nag ...	8 81	...	...	...	.....	...	Hirmai ...	16 73	Shilsar pass ...	72½	...	...
Ditto Gulli ...	83	Baswan <i>In Wurdwan valley.</i>	13 72	...	.....	...	Inshin <i>In Wurdwan valley.</i>	8 81	Pasur Nai ...	16 81	...	...
Suknis <i>In Wurdwan valley.</i>	10 91	Suknis ...	8 80	...	.....	...	Baswan ...	89	Maroo or Pet-gam. <i>In Wurdwan valley.</i>	12 93	...	...
...	...	...	...	...	...	...	Suknis ...	16 97	...	...	...	...

SECONDLY, OF PASSES BETWEEN THE WURDWAN AND SURU VALLEYS—

BHUTKOL PASS KWAJ KUR ROUTE.			BHUTKOL PASS RANGMARG ROUTE.			CHILUNG PASS.			REMARKS.						
	Miles.		Suknis	Dumhoi	Pajahoi	Kanital	Bhutkhol pass	Jalahoi		Suru	Parkutse	Gulmatongo	Ringdom <i>Lama Monastery.</i>	Miles	Miles
	...	76													
Suknis	
Dumhol	...	9	85	...	...	...	...	...	...	...	...	...	...	101
Messekhol	...	12	97	...	...	...	...	...	...	...	...	...	14	107
Bhutkhol pass 14,370 ft.	107	...	...	...	...	...	...	...	...	...	10	117	
Dunore	...	20	117	...	...	...	...	...	...	...	...	...	12	129
Suru	...	10	127	...	...	...	...	...	...	...	...	...	...	146
Parkutse	...	6	133	...	...	...	...	...	...	...	...	...	20	161
Gulmatongo	...	12	145	...	...	...	...	...	...	...	...	...	13	174
Ringdom <i>Lama Monastery.</i>	...	17	162	...	...	...	...	...	...	...	...	...	...	...

THIRDLY, OF PASSES BETWEEN THE SURU AND INDUS VALLEYS—

KUNGI LA AND PHOTU LA.	Miles.		KUNGI LA AND CHOMOTHANG LA.	Miles.		KUNGI LA, CHOMOTHANG LA AND CHOKE LA.	Miles.		KUNGI LA, CHOMOTHANG LA, CHOKE LA AND KUNDU LA.	REMARKS.
Ringdom	...	162								Between the Suru and Indus valleys, both roads over the Kungi La to Lamayuru are fairly passable. At Lamayuru, the main road from Srinagar to Leh Route LI is joined.
<i>West foot of pass...</i>	12	174								
Kungi La	...	177								
<i>Down Hama valley.</i>										
Kilchu	15	189	Kilchu	...	189					On the Choke La route there is no bridge over the Indus at Nimu.
Kangi	...	192	Kangi	...	192					
Hiniskut	13	202	Domboom	...	195					
			Chomothang La.	...	200					
			<i>Down Shilla Kong valley.</i>							
Photu La	...	206½	Shilla	19	214	Shilla	...	214		
						<i>Up Ripehar valley.</i>		...		
			Prinkitil La	...	217	Phanjila	...	7	221	
Lamayuru	9	211	Lamayuru	6	220	Hinjoo	...	9	230	
<i>Join Leh road over Zojila.</i>			<i>Join Leh road.</i>			Choke La	...	...	234½	
						13,513 ft.		...		
Khalsi	...	221	Khalsi	...	230	<i>Down Sumdahfoo.</i>	...	10	240	
<i>Indus bridge.</i>			<i>Indus bridge.</i>			Drogulika	...			

HARDLY—(continued.)

KUNGI LA AND PHOTU LA.		KUNGI LA AND CHOMOTHANG LA.		KUNGI LA, CHOMOTHANG LA AND CHOKE LA.		KUNGI LA, CHOMOTHANG LA, CHOKE LA AND KUNDU LA.		REMARKS.
	Miles.		Miles.				Miles.	
	18½ 239½		18½ 238½				... 249	
Nurla	14½ 244	...	14½ 253	Ezas Down Zaskar river.	...	Ezas Up Zaskar river.	8 257	On the Kunda La route there is a bridge over the Indus at Shushot, but the road about Chiling on the Zaskar river and up the Markha river is a mere footpath.
Saspul	11½ 255½	...	11½ 264½	Cross Indus river	...	Chiling Up Markha river.	9 266	
Nima	18½ 273½	...	18½ 282½	Nimu Join Leh road.	...	Skio	... 275	
Leh		...		Leh	...	Kunda La 16,211 ft.	12 278	
11,500 feet.						Urucha	16 294	
						Khawuch	... 299	
						Shushot, Indus bridge. 10,560 ft.	10 304	
						Leh 11,500 ft.		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
1	Srinagar P. O., T. O., C., E.—	...	0	By road or by boat up the river Jhelum to Kanabal, 50 miles by water.	Up Jhelum valley on right bank.	....	5235	S. F. G. W. and T. abundant.	Capital of Kashmir Hari Parbat fort. Large town and bazars. Ancient capital and temple in ruins.
	<i>Pandrethan</i>	...	4	.....	.....	...	.....	.....	.....
	<i>Pampur E.</i>	...	8	.....	.....	.....	.....	.....	.....
	Awantipur E.—	18	...	.....	.....	.....	5300	S. and T. nil, F. G. W. plentiful.	Two ancient temples in ruins.
	<i>Bij Behara</i>	...	29	.....	.....	.....	.....	.....	Town and temples.
2	<i>Kanabal B.</i>	...	33	.....	.....	.....	5400	...	Terminus of river navigation.
	Islamabad P. O., T. O., C., E.—	17	...	Good road passable for laden animals to Nowboog.	Cross mouth of Arpat valley, then ascend Kucihar to Shangus along left bank.	Sulphurous springs. Arpat bridge	5450	S. F. G. W. and T. ample.	Town, bazar and head-quarters of zillah.
	<i>Achibal B.</i>	...	36	.....	.....	.....	.....	.....	Old Imperial garden and famous spring.
3	Shangus E.—	11	...	.....	.....	.....	.....	Ditto	Large village.

LIII SRINAGAR to INSHIN in WURDWAN by the MARGAN or IKPATRAN PASS—

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LIII	ROUTE—contd.								
	<i>Karpur E.</i>	11 ...	46 ...	.....	Cross Karpur range by Hurrikun or Hulkun gully.	.....	.....	S. G. F. W. and T. moderate.	Village on high ground.
4	Nowboog E.	12 ...	58 ...	Hence road becomes rough but is passable for laden animals to Inshin.	Up Nowboog valley.	.....	.....	S. G. F. W. plentiful, T. available.	Large village.
5	Gooran	9 ...	67 ...		.....	Nowboog bridge.	.....	Ditto	Small village.
			73 ...	Road over pass of easy gradient but rocky on both sides, level plain for 2 miles on top of pass, fine views eastwards and westwards.	Margan pass or Ikpatran.	...	11600	.....	Pir Punjal range.
6	Inshin in Wurdwan. E.	16 ...	83 ...		.....	Wurdwan bridge.	8143	S. and T. precarious, F. G. W. plentiful.	Village and capital of Wurdwan.

The alternative route by Hulkun gully from Shangus to Nowboog is 2 miles shorter, but not so good.

There is another route from Islamabad 35 miles, by Martund 41 miles, where are the ancient temples of the Sun, cross the Arpat or Kuthar valley to Watrus 49½ miles and ascend left bank and ravine to Saogram 57 miles, thence ascend the Pahaput spur of the main range Pir Punjal to the Chor Nag and gully 69 miles and descend down the Hirmai ravine and cross the Wurdwan river by bridge to Inshin 81 miles. The approaches to the Chor Nag pass on both sides are very steep and rocky.

LIV SRINAGAR to HANLE by ZANSKAR—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	By road or by boat up the river Jhelum to Karabul, 50 miles by water.	Up Jhelum valley on right bank.	.....	5235	S. F. G. W. and T. abundant.	Capital of Kash- mir, Hari Parbat fort. Large city and bazars.
	<i>Pandretan</i>	...	...	4	.....	.....	.....	.....	.....	Ancient capital and temple in ruins.
	<i>Pampur E.</i>	...	...	8	...	.....	.....	5300	S. and T. nil, F. G. W. plentiful.	Two ancient temples in ruins.
1	Awantipur <i>E.—</i> <i>Bij Behara</i>	...	18	18	.....	.....	.....	5400	.....	Terminus of river navigation.
	<i>Kanabul B.</i>	...	...	33	.....	.....	.....	5450	S. F. G. W. and T. plentiful.	Large town, bazar and head-quarters of zillah.
2	Islamabad <i>P. O., T. O., C., E.—</i>	...	17	35	Good road passable for laden animals to Doos.	.....	Sulphurous springs. Arpat bridge.	.....	S. F. G. W. and T. available.	Large village.
3	Sagam <i>E.—</i>	...	13	48	.....	.....	.....	.....	S. and T. nil, F. G. and W. procurable.	Small village.
	<i>Wangam E.</i>	...	...	54	.....	.....	.....	.....	S. F. G. W. and T. available.	Large village.
4	Gohoon <i>E.—</i>	...	8	56	.....	Up Nowboog valley and Brinwar ravine.	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place.
	Deos <i>E.—</i>	...	...	63	Hence road is very difficult in places for laden animals.	.....	.....	.....	.....	.....
5	Rajparan <i>E.—</i>	...	14	70	.....	.....	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LIV	<i>ROUTE—contd.</i>	14	70				13315		
6	Phamber <i>E.—</i>	13	83	Approaches on both sides rough, steep and stony.	Hoksar pass down Sutgul ravine. Dolwas spur	.....	...	S. and T. nil, G. F. W. plentiful.	Halting place.
7	Marco or Petgam in Wurdwan. <i>E.—</i>	14	97	Path rough and rugged and very difficult in places for ponies.	Up Furriabad valley right bank.	Wurdwan bridge.	.....	S. F. G. W. and T. moderate.	Village and custom house.
	<i>Zubban E.</i>	...	105	.....	.....	.....	.....	.....	Hot springs.
8	Metwan <i>E.—</i>	14	111	.....	.....	.....	.....	S. and T. precarious, G. F. W. moderate.	Small village.
9	Maharran <i>E.—</i>	10	121	.....	.....	.....	.....	Ditto	Ditto.
10	Kailgang rocks... <i>E.—</i>	12	133	.....	.....	.....	.....	S. and T. nil, G. F. W. moderate.	Halting place.
11	Camp <i>west foot of glacier</i>	12	145	.....	.....	.....	.....	S. and T. nil, G. F. scanty, W. plentiful.	Ditto.
			150	Glacier 10 miles long.	Chilung pass.	.....		

<i>East foot of glacier ...</i>		...	...	155	...	Junction of 2 roads, down valley to Suru, and up to Padam by Pensi La.	..... Pensi La	.....	.....	...	S. F. G. T. nil, W. plentiful	Cross glacier.
12	Ramdun Sank-po	...	20	...	165	...				14400		
13	Chumkurnoo	...	20	...	185	...	Easy gradient crossing spurs on both sides of pass.	Down Doda or Zaskar valley left bank.	.....	...	S. and T. nil, F. G. scanty, W. plentiful.	Halting place.
14	Abiring or Roos- hool.	...	16	...	201	...	Rough road but passable.	.....	.....	.....	Ditto	Hamlet.
15	Phe	...	12	...	213	...	Fair hill track, pas- sable for laden animals, junction of road from Kishtwar over Umasi La.	.....	.....	12000	S. F. G. T. procurable, few coolies.	Village nearly op- posite Ating on right bank.
16	Seni Gonpa <i>E.—</i>	...	11	...	224	...	.....	Right bank	Doda bridge.			
17	Padam <i>E.—</i>	...	9	...	233	...	.....	.....	Seni Tokpho bridge. Tsarap Lingti Chu bridge.	11560	Ditto	Ditto and temple.
							.....	.....		11873	S. G. F. W. and T. procurable.	Former capital of Zaskar, village and fort.

Hence there are two routes to Hanle, one by Thonde, Shadi, Shoon and Lachalung to the Tso Morari Lake and the other up the Tsarap Lingti Chu across a corner of the British territory to the same Lake.

18	Thonde <i>E.—</i>	...	9	...	242	...	Rough hill track, very difficult in places for laden animals.	..... Thonde La down Shingri Chu.	.....	11460		
					248	...			.....	16700		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m.	TOTAL. m. f.						
LIV	ROUTE—contd.	..	248 ..						
19	Soulantakakh	14 ..	256 ..		.....	Cross Shingri Chu several fords.	.....	S. F. G. T. nil, W. procurable.	Junction of Niri Chu.
	<i>Mulla Sumda</i>	..	263 ..	Instead of follow- ing river, spur opposite junction may be crossed by Shingri La.	Down Niri Chu, left bank.	.....	.....	.....
	<i>Shalipo</i>	..	266 ..	.....	Right bank	Niri bridge	.....	.....	One mile to Shadi Monastery.
		..	270 4	.....	.....	.....	.....	S. and T. scanty, F. G. W. available.	
20	Tontak Gonpa	16 ..	272 ..	.....				
	<i>E.— Bokung</i>	..	276 4	From Bokung another path fol- lows down the right bank of Niri Chu to its junction with Shoon river and up the right bank of latter to Kar- moch, thus avoid- ing the two passes, distance about the same.	Malo Kontse La. Gotunta La	Ditto.	16570.		
		..	278 ..						
		..	284 ..						
21	Karmoch	16 ..	288 ..		Up Shoon valley right bank.	.....	.....	Ditto	Small village.
	<i>Manc Leh</i>	..	295 ..						
22	Sutak	14 ..	302 ..		.....	.....	.....	Ditto	Hamlet.
23	Takh	9 ..	311 ..		.....	.....	.....	S. and T. precarious, F. G. W. procurable.	Small village.
			317 ..	.....	.....	Hot spring.			

24	Juktak	...	13	...	324	...	J o' n main road Laboul to Leh passable for laden animals to 350 miles.	Up Gata ravine.	.....	...	S. F. G. T. nil, W. procurable.
25	Sumdo E.—	...	8	...	332	...	.....	.....	.....	.....	Ditto.
	<i>Pimbogolma</i>	...	...	...	334	...	.....	Lachalung La.	.....	16330.	
26	Sum Gal E.—	...	18	...	350	...	Khangchu mai- dan, good road.	Up Sum Kheyl Loomba.	.....	.....	S. and T. precarious, F. G. W. procurable.
27	Tractagol	...	16	...	366	...	Rough and rugged path.	.....	.....	.....	S. F. G. T. nil, W. scanty.
		...	...	...	370	...	.....	Telekon La down Phirse valley.	.....	.....	S. and T. nil, F. G. W. scanty.
28	Huahl	...	12	...	378	...	Junction of road from Lanyer La.	.....	.....	.....	S. and T. nil, F. G. W. scanty.
29	Manechan E.—	...	14	...	392	...	Junction of road from Pangpo La.	.....	.....	.....	S. and T. nil, F. G. W. scanty.
30	Khalmoche E.—	...	11	...	403	...	.....	.....	.....	.....	S. and T. nil, F. G. W. scanty.
34	Kiangdom E.—	...	11	...	414	...	Rough track pas- sable for laden animals.	.....	South end of Tso Morari Lake.	14900	S. F. T. nil, G. W. scanty.
35	Lam Tso E.—	...	20	...	434	...	.....	Across head of Parechu valley.	Lake	.....	S. and T. nil, F. G. W. procurable.
36	Dongam Le E.—	...	9	...	443	...	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.
		...	...	...	447	...	.....	Lenak La.	.....	.....	.....
											Two tracks over this pass.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m.	f.	TOTAL. m. f.						
LIV	ROUTE— <i>contd.</i>	...	...	447 ...						
37	Gongra Le E.—	11	...	454 ...	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Halting place.
38	Hanle E.—	20	...	474 ...	Across Thungan- geri plain.	.....	On left bank of Hanle river.	14270	S. F. G. W. and T. moderate.	Village and large monastery and thana.

From Huahl 378 miles, there is a path eastwards over the Lanyer La 385 miles, and down the Kingha Sharma ravine to 392 miles, whence another path turns off south-east over the Karzok La 399 miles, and down the Karzokfoo to Karzok monastery 408 miles, and 14,960 feet on the western bank of the Tso Morari Lake. Thence going southwards along this same shore Kharlung is reached at 414 miles and Kingdom at 426 miles.

Or continuing from the Kingha Sharma camp at 392 miles down this ravine eastwards, Shakshang 404 miles, is met on a plain, in which the Tso Kiagr Lake is situated; thence southward, along the same stream which flows into the north end of the Tso Morari at Peldo, Deldo Le, 413 miles is reached. Following the eastern shore of this Lake to Lunkserma Le 426 miles, the road strikes off eastwards over the Chagarehan La 436 miles, to Ooti 341 miles, and southwards to Lam Tso 444 miles.

LIV^a ZANSKAR to TSO MORARI LAKE by TSARAP LINGTI CHU—

17	Padam E.— <i>Burdun Gumpa or Pip- cha.</i>	...	...	233 ...	Fair road, passable for laden animals.	Up Tsarap Lingti valley left bank.	.....	11373	S. F. G. W. and T. procurable.	Former capital of Zanskar, village and fort.
		...	...	239 ...						

18	Reru E.—	...	15	...	243	...	Junction of road from Poat La down Tema-Tokpho road rough.	.....	.....	Chemochekora bridge. Reru Tokpho bridge.	.....	S. and T. precarious, F. G. W. procurable.	Hamlet.
19	Sar Leh E.— Char	...	13	...	261	...	.....	.....	.....	.....	Ditto	Ditto	Ditto.
20	Tetha E.—	...	9	...	263	...	.....	Junction of Niri Chu river.	12800	Char bridge	.....	.....	On right bank.
21	Kargyah E.—	...	11	...	270	...	Good road	.....	.....	.....	Ditto	Ditto	Hamlet.
22	Chumikmarpo	...	13	...	278	...	Hence a road over the Phirtse La to Chumikmarpo 15 miles.	.....	13670	.....	S. F. G. W. and T. procurable.	Village.	
					281	...	.....	Surichun La, down Lingti Chu valley.	.....	Two small glaciers. Cross several ravines. Yunan river	.....	S. G. F. T. nil, W. procurable.	
					287	...	.....	.....	.....	.....	.....	.....	Junction of Yunan river.
					294	...	.....	.....	.....	.....	.....	S. F. T. nil, G. W. available.	Junction of Sarchu and Lingti rivers.
23	Lingti Sarchu E.—	...	19	...	311	...	Boundary of Kashmir, cross border into British territory to Pankpo La.	Up Tsearap or Maling valley.	.....	Sarchu river	.....	.....
24	Lama Guru	...	17	...	313	...	Road good as far as Lama Guru, hence difficult in places.	.....	.....	.....	.....	S. F. T. nil, G. scanty, W. available.	Halting place.
25	Thung Chug Chiri.	...	12	...	330	...	Fairly easy ascent and descent, but slippery over snow slopes.	.....	.....	Maling ford	.....	Ditto	Ditto.
26	Tso Kum	...	18	...	342	...	.....	Pankpo La down Lankpol valley right bank.	.....	.....	.....	Ditto	Ditto.
					356	...	.....	.....	17500	.....	.....	.....
					360	...	.....	.....	.....	Lake.	.....	Ditto	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LIVa	<i>ROUTE—contd.</i>	18	...	360	...				
27	Khiang Shisa	11	...	371	...		.....		Hamlet.
				372	...	Kurgiepl nala.	.....	
28	Manechan <i>E—</i>	8	...	379	..	Join direct road from Thonde to Tso Morari.	.....	S. and T. nil, F. G. W. scanty.	Halting place, junction of Phirse river.
29	Khulmoche <i>E—</i>	11	...	390	...	.....	.....	Ditto	Halting place.
30	Kiangdom <i>E—</i>	11	...	401	...	.....	14900	S. F. T. nil, G. W. scanty.	Plain, Lake water brackish.

This route is open from about middle of July to middle of October.

From Char bridge 263 miles, a road north-east by Char 264 miles up the right bank of the Niri Chu to Phooktal Goupa 268 miles, and onwards to Bokung bridge 278 miles, where it joins the Thonde and Tso Morari road at mile 276½ between Tontak Goupa and Karmoch.

From Lingti Sarchau 313 miles, there is a road due north along the Tsarap valley to Juktak 324 miles, where it joins the Thonde and Tso Morari road at mile 324, one march from the Lachalung pass.

The two alternative Routes LIV and LIVa are therefore equal in length as far as Juktak.

There is not much difference in the length of these two routes between Padam and Kiangdom, the Thonde and Lachalung pass route is perhaps the easier of the two, as crossing the snow over the Pankpo La is a difficulty.

LV SRINAGAR to SIMLA and UMBALLA by KISHTWAR and KULU—

	Srinagar P. O., T. O., C., E.— Pampur E.	...	...	0 ...	By road or by boat up the river Jhelum to Kana- bul 50 miles by water.	Up Jhelum valley right bank.	.....	5235	S. F. G. W. and T. abundant.	Capital of Kashmir, Hari Parbat fort, large city and bazars.
1	Awantipur E.— Bij Behara Kanabul B.	...	...	8 ...	.....	.....	.....	5300	S. and T. nil, F. G. W. plentiful.	Two ancient tem- ples in ruins.
2	Islamabad P. O., T. O., C., E.— Achabal B., E.—	...	...	18 ...	.....	Left bank	Jhelum bridge Ditto	5400	.....	Terminus river na- vigation.
3	Harhama E.— Sagam	...	...	29 ...	Good road, passable for laden animals, which cannot cross the Chenab and Wurdwan rope bridges near Kishtwar.	Up Bringh valley.	Sulphurous springs.	5450	S. F. G. W. and T. plentiful.	Large town, bazar and head-quarters of zillah.
4	Wyl E.— Promoo	...	...	33 4	.....	.....	.....	.....	S. F. G. W. and T. moderate.	Village.
5	Wanktangi or Karbodaram E.—	...	...	35 ...	.....	.....	Bringh bridge	.....	S. and T. nil, F. G. and W. procurable.	Junction of Now- boog river.
6	Singpur E.— Chattru	...	...	41 ...	Road good, but steep ascent and descent over pass. Road very fair.	Up Marbul ravine. Marbul pass down Kasher Khol valley.	.....	11550	S. and T. nil, F. G. and W. plentiful.	Hamlet.
7	Moghul Maidan... E.—	...	...	46 ...	Road fair with ex- ception of cross- ing the two rope bridges to Kisht- war.	.....	.....	.....	S. and T. nil, F. G. and W. procurable.	Small village.
		...	...	49 ...	.....	.....	.....	.....	S. and T. scarce, F. G. and W. procurable.	Junction of Sin- chun Khol. Small village.
		...	...	55 4	.....	.....	Wurdwan bridge. Chenab do.	.....	
		...	...	60 ...	.....	.....	.....	.....
		...	...	64 4	.....	.....	.....	.....
		...	...	67 ...	.....	.....	.....	.....
		...	...	73 4	.....	.....	.....	.....
		...	...	78 4	.....	.....	.....	.....
		...	...	83 4	.....	.....	.....	.....
		...	...	90 ...	.....	.....	.....	.....
		...	...	91 4	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LV	<i>ROUTE—contd.</i>	...	91	4					
8	Kishtwar <i>P. O., E.—</i>	11	4	95	...	.....	5000	S. G. F. W. and T. plentiful.	Small town and fort on high plateau above junction of Wurdwan and Chenab rivers.
From Wyl 55 m. 4f. at the entrance of the Nowboog valley, there is a loop route up the latter and the Brinwar ravine to Doosu, 62 miles, hence over the Chingam pass, 70 miles, and down the Dangur Nar to Chingam 80 miles, and following the Sinchun Khol to its junction with the Kasher Khol at Chatru, 86 miles. There is a good road on the western side to the foot of the Chingam pass; both the ascent and descent are precipitous and rugged over much snow and ice; from the foot of pass on eastern side to Chingam the track is fair and hence to Chatru good.									
9	Bagni	13	...	108	...	.....	6150	S. and T. precarious, F. G. and W. plentiful.	Hamlet.
10	Pyas	10	...	118	.....	.....	6320	S. and T. nil, F. G. and W. procurable.	Ditto.
11	Siri <i>E.—</i> <i>Jhar</i>	9	4	127	.....	.....	8700	S. and T. nil, F. G. and W. procurable.	Halting place 2000 ft. above Chenab. Path southwards over Panji pass into Karney Gad valley.
		...	...	137	.....	.....	.....	.....

12	Atholi E.—	14	...	141	4	Junction of Padar and Chenab rivers. Road fair.	Cross to right bank.	Chanora Bhaga bridge.	6360	S. F. G. W. and T. procurable after notice.	Village on left bank, Golabgurih fort, chief place of Padar, opposite on right bank. Village on right bank.
13	Sol E.—	...	8	149	4	Road very difficult in 2 places.	.....	Shendi bridge.	.....	S. F. G. W. and T. moderate.	
14	Ashdari E.—	...	10	151 159	4 4	..... Road fair	.....	Ooniar .....	.....	S. and T. nil, F. G. and W. procurable.	Hamlet.
Kashmir and Chamba border.											
15	Darwas C., E.—	...	10	165	4	.....	.....	Bilon	.....	S. F. G. W. and T. available.	Large village.
16	Kilar E.—	...	6	169 170	4 4	Junction of road eastwards over Sursunk and Poat La to Reru in Zanskar. Fair road.	.....	..... Sursunk	8429		
17	Saach E.—	...	8	175	4	Junction of road south westwards over Sachi pass by Tisa to Cham- ba.	.....	.....	8411	S. F. G. W. and T. procurable.	Village.
18	Majrao	...	7	184 185	... ...	Junction of road south westwards over Chini pass to Tisa and Chamba.	.....	..... Tuan	7886	S. F. G. W. and T. moderate.	Ditto.
				191	...	Rough and rugged road, very diffi- cult in many places from Sauch to Saor.	.....	...	.....	S. and T. nil, F. G. W. procurable.	Hamlet.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
18	ROUTE.— <i>contd.</i>	7 ...	191 ...	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Hamlet.
19	Saor	8 ...	199 ...	.....	Cross to left bank.	Chandra Bhaga bridge.	.....	S. F. G. W. and T. moderate.	Village on left bank Chandra Bhaga.
20	Tadi	14 ...	213 ...	Junction of 2 roads westwards over the Charg and Drali passes into Chamba.	.....	Ditto.	.....	S. and T. nil, F. G. and W. procurable.	Hamlet on right bank.
21	Margraon Odupur	16 ...	229 ...	.....	.....	Bendi bridge.	.....	S. F. G. W. and T. plentiful.	Several villages on left bank. Hindu temple frequented by pilgrims.
22	Triloknath R.—	9 ...	237 4	Junction of road westwards over Kalichu pass 15,990 feet to Chamba.	Cross to left bank.	Chandra Bhaga bridge.	9566		

From Sauch to Odapur there is another route inland over the Gurdhar pass, 17,000 feet, which is taken when the river route is dangerous. There are 2 tracks over the Gurdhar pass between Bataor and Miyar, both very bad and arduous, grass shoes and ice axes necessary. The longer route goes from Bataor to Leias 6 miles at foot of pass, to Chirpat 15 miles crossing pass and to Miyar 3 miles.

17	Sanch	...	...	...	Road fair	Up Tuan valley.	.....	7886.		
18	Satchu	...	12	...	Ditto	.....	Tuan bridge	8412	S. and T. precarious, F. G. and W. procurable.	Hamlet.
19	Bataor	...	9	...	Very bad ascent, cross long snow field, cutting steps, and more difficult descent.	.....	.....	11633	S. and T. nil, F. G. W. procurable.	Ditto.
		...		214	...	Gurdhar pass down Bendi valley to Odapur.	.....	17000	.....	There are 2 routes over Gurdhar pass both very bad, the other by Leias and Chirpat.
20	Miyar	...	16	...	Road fair down valley, but difficult near Odapur.	.....	.....	10215	S. and T. precarious, F. G. and W. procurable.	Hamlet.
21	Odapur	...	12	...	Road good	.....	Bendi bridge	.....	S. F. G. and T. scanty, W. plentiful.	Village and Hindu Temple.
22	Triloknath	...	4	4	Road easy	.....	Bendi	.....	S. F. G. and T. scanty, W. plentiful.	Village and Hindu Temple.
		...		237	4	Cross to left bank.	Chandra Bha-ga bridge.	9566	S. F. G. W. and T. plentiful.	Cluster of villages on left bank Chenab. Hindu temple frequented by pilgrims.
	Bamankoti <i>Chamba boundary, enter Kulu or British territory.</i>	...	...	239	4	.....	Chandra Bha-ga bridge. Ditto.	.....	S. F. G. W. and T. plentiful.	Cluster of villages on left bank Chenab. Hindu temple frequented by pilgrims.
		...		243	...	Junction of road over Chobia pass to Chamba.	.....	.....	S. F. G. W. and T. plentiful.	Cluster of villages on left bank Chenab. Hindu temple frequented by pilgrims.
23	Jarna <i>Rupeh on left bank Lota</i>	...	14	4	Road fair	.....	.....	.....	S. F. G. W. and T. plentiful.	Village on right bank Chenab river.
		...	...	252	...	Junction of road over Kukti pass 17000 feet to Chamba.	.....	.....	S. F. G. W. and T. plentiful.	Village on right bank Chenab river.
		...	...	254	...	.....	Ditto	.....	S. F. G. W. and T. plentiful.	Village on right bank Chenab river.
		...	...	262	...	.....	Ditto	.....	S. F. G. W. and T. plentiful.	Village on right bank Chenab river.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LV	<i>ROUTE—contd.</i>	...	262 ...	...	...	.....	.....	S. F. G. W. and T. available.	Village at confluence of Bhaga and Chandra rivers.
24	Tandi	14	266	Good road	...	.....	.....	S. F. G. W. and T. moderate.	Capital of Lahoul, Moravian Mission.
25	Kailling	4	270	Bagha valley well cultivated. Road easy with exception of narrow part round rocks.	Cross Bagha valley at its mouth.	Bhaga bridge	10100	S. F. G. W. and T. available.	Village on cultivated terrace.
26	<i>Kardang B.</i>	...	271	Junction of road westwards over Bara Baghal pass to Chamba and Kulu. Opposite Gundla a remarkable precipice.	.....	Cross 2 large hill torrents bridged.	10300	S. F. G. W. and T. available.	
27	Sissu E.—	9	291	Road bad in places, many ups and downs, wild scenery.	.....	Sissu " 5 hill torrents crossed by bridges.	9938	S. F. and T. scarce, G. and W. procurable.	Small village.
	<i>New Koksar</i>	...	301	.....	.....	.....	.....	S. F. and T. scanty, G. and W. plentiful.	Village.
			304	.....	.....	Chandra			

28	Koksur B. C. E.—	...	14	...	305	...	Ascent and descent of pass very steep. Cross this pass very early in morning owing to high wind after 9 A.M. Good road through lovely scenery, all the way to Sultanpur.	.....	.....	bridge.	10260	Ditto	Rest house.
					311	...		Rotang pass down Beas valley right bank.	.....	....	13500		
29	Rahla E.—	...	10	...	315	...		.....	.....	.....	9000	S. and T. nil, F. G. W. available.	Hamlet.
	<i>Pulchun</i>	...	...	...	318	...	.....	.....	Solung or	.....	.....	.....	Good sport up So- lung nala.
	<i>Burva</i>	...	...	...	320	...	.....	.....	Sarahi bridge	.....	.....	.....	Snake temple.
		...	...	...	321	...	.....	.....	Chenag	.....	.....	S. and T. available.	On upward journey
		...	...	...	322	...	.....	.....	Kshal	.....	.....	.....	take supplies at
30	Manali E.—	...	10	...	325	...	.....	.....	Manali	.....	.....	.....	Burwa.
	<i>Baran</i>	...	...	...	330	...	.....	.....	.....	.....	.....	.....	Village.
		...	...	...	334	...	.....	.....	Kuish	.....	.....	.....	Chikor shooting.
		...	...	...	338	...	.....	Down Beas valley.	Dobi	.....	4723	S. F. G. W. and T. available.	Red bears round Shegli.
31	Dwara or Kat- rain. B, E.—	...	13	...	342	...	.....	.....	Raison bridge	.....	.....	.....	Dwara small town, Katrain bunga- low.
		...	...	...	344	...	.....	.....	Bandrol	.....	.....	.....	Capital of Kul u,
32	Sultanpur P. O, D. B, E.—	...	12	...	350	...	.....	.....	Beas bridge.	.....	4092	S. F. G. W. and T. plentiful.	town, bazar, tehsil and police thana on right bank of Beas.

From Rahla, 315 miles, there is another route along the left bank of the Beas river to Sultanpur and Bijaora.

29	Rahla E.—	315	Head of Beas valley.	...	9000	S. and T. nil, G. F. W. available.	Hamlet.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
LV	<i>ROUTE—contd.</i>									
	<i>Burva, E.</i>	...	...	315	...	Fine plain	Down left bank.	.....	S. and T. available.	On upward journey take S. and T. here for crossing Rotang pass.
30	Bashist E.—	...	...	320	...	.....	Hot springs.	6683	Ditto	Small village.
		7	...	322	...	.....	Beas bridge.	.....	.....	Good sport up nala.
			...	324	...	.....	Hamta "	.....	.....	.....
			...	326	...	Junction of road eastwards over Hamta pass 14,000ft. to Spiti.	.....	.....	.....	.....
31	Jagatsuk E.—	6	...	328	...	.....	Doagnu "	5985	S. F. G. W. and T. moderate.	Small village.
	<i>Goyra</i>		...	327	...	Good road through beautiful scenery.	Splendid cascade.	.....	.....	.....
32	Nagar E.—	9	...	337	...	.....	Beas bridge	5780	S. F. G. W. and T. ample.	Small civil station on left bank of Beas.
	<i>Kois</i>		...	343	...	.....	Raogi "	.....	.....	Fair sport up nala.
			...	345	...	.....	Kois "	.....	.....	.....

33	Saltanpur P. O., D. B., E.—	13	...	350	...	Road branches off westwards over Bubu pass 10,000 ft. to Palampur, Kangra and Panchankot 141 miles.	...	Beas bridge	4092	S. F. G. W. and T. plentiful.	Capital of Kulu, town, bazar, tehsil and police thana on right bank of Beas.
				350	4		.....	Sorbari "			
				355	...	Road branches off eastwards up Parbati Nala to Manikarn hot springs, 5,587 ft.	.....	Beas bridge	.....	.....	Called Duff bridge.
34	Bajaora B., E.—	9	...	359	...	Road branches off westwards over Dulchi pass 6,000 ft. to Mandi.	.....	Kandi "	3573	S. F. G. W. and T. procurable.	Small bazar and old ruined fort on right bank of Beas. Good sport around.
	Badool	...	...	362	...	Bridle road made and bridged throughout in good order and passable for laden animals to Nagkunda.	.....	Beas "	.....	
35	Larji B., E.—	12	...	371	...		Up Chata valley.	Synj "	.....	Ditto after notice.	Hamlet on left bank of Synj river at junction with Chata river.
				373	...		Cross to left bank.	Chata "	.....		Small village.
36	Manglaor B., E.— <i>Phach</i> P. O.	8	...	379	...		Right bank.	Ditto	3710	S. F. G. W. and T. moderate.	Large village, tehsil and police thana. Small village.
	Jibi	9	..	381	...	.....	.....	.....	5718	.....
				382	...	.....	.....	Ditto	5860	Ditto after notice.	
37				388	...	Ascent through pine forest and by steep zigzags to top of pass and descent gradual.	Jalaori pass down Arni valley.	.....	10000		
				395	...	Fine scenery	.....	.....	
38	Kot B.—	11	...	399	...		.....	.....	7750	S. F. G. W. and T. moderate after notice.	Ditto.
39	Chosai B.—	9	...	408	...	Road leaves the valley and ascends a spur.	Cross spur and descending into Sutlej valley.	Arni bridge	6162	S. F. G. W. and T. plentiful.	Cluster of villages.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LV	ROUTE—contd.	...	...				
40	Dularsh <i>B.—</i>	9 ...	408 ...	Continuous descent, very steep in places to Sutlej river and after crossing, very steep ascent by zigzags.	.....	.....	.....	S. F. G. W. and T. moderate after notice.	Village. Called Lori.
41	Komarsen <i>B.—</i>	8 ...	416 ...		.....	Sutlej bridge	.....	Ditto	Large village.
42	Nagkunda <i>P. O., D. B.</i>	9 ...	425 ...	Continuous ascent up spur, steep in places, to Nagkunda where join Hindustan and Thibet road.	.....	.....	8800	S. F. G. and T. moderate, W. scarce.	Small bazar.
		7 ...	432 ...		.....	.....

From Hamta 326 miles, there is a track eastwards up the Raini or Hamta valley by Chika 11 miles over the Hamta pass 14,000 feet to Chahtru 20 miles, on the Chandra river left bank (opposite the site of old Koksar) on the road to Spiti.

From the Duff bridge over the Beas at 355 miles, there is a track north-eastwards up the Parbati valley to Chang 7 miles, Jherri F. B. 15 miles, Manikarn B. 5,587 feet 23 miles, where there are hot springs, Phulga F. B. 31 miles, and to another hot spring at 34 miles.

This nala is preserved and the hot springs are much resorted to.

There is another route from Manglaor 379 miles by Rampur, and Kotgurh to Nagkunda, which is passable for laden animals as far as the Sutlej rope bridge at Rampur, where join Hindustan and Thibet road.

36	Manglaor B. E.— <i>Plach</i> P. O.	...	...	Gradual ascent through cultiva- tion and forest.	Up eastern Chata valley.	Chata bridge Chata bridge.	..... 5718	S. F. G. W. and T. moderate. S. and T. nil, G. F. W. procurable.	Small village. Large village, tehsil and police thana. Hamlet.
37	Tung or Bathad B.—	12	...	Sharp rise and over undulating grass plain to pass, the descent very steep in zig-zags, to the fine level and grassy pla- teau of Surone.	Dhol pass down Kurpan valley. .....	..... Kurpan bridge.	6000	S. and T. moderate, F. G. W. procurable.	Village in Seoraj.
38	Suron B.—	9	...						
39	Ursua <i>Jagatkhana B.</i>	9	...	Gentle rise, pass through forests and sharp descent down steep hill by zig-zags to Rampur rope bridge.	Road leaves valley and crosses Dhaor spur into Sutlej valley.	.....	.....	Ditto	Ditto.
40	Rampur P. O., D. B., C., E.—	7	...		Down Sutlej valley left bank to Kot- gurh.	Sutlej bridge. Nogri " " Muchara "	3700 3462	S. F. G. W. and T. plentiful.	Capital of Bisahir, residence of Raja. Town and bazar.
41	Nirit B.—	13	...	Good road down valley. .....	.....	.....	3600 3400	S. and T. scanty, F. G. W. procurable.	Small village on left bank of Sutlej river.
42	Kotgurh P. O., D. B.—	10	...	Continuous ascent up a spur of Hatu Pir moun- tain to Nagkunda, good road.	.....	.....	{5600 } {7215 }	S. G. F. W. and T. procurable.	Village, Mission, tehsil, and thana. Bareri, tea garden.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LV	<i>ROUTE—contd.</i>	...	...				
43	Nagkunda	...	441						
	<i>D. B.—</i>	10	...	Road in excellent order along the mountain ridge to Simla.	.....	.....	8700	S. G. F. and T. moderate, W. scarce.	Small bazar.
	<i>Murari</i>	...	454	.....				
43	Mattiana	11	460	.....			7690	S. scanty, F. G. W. and T. available.	Village.
	<i>D. B.—</i>	11	2	.....			7420	S. F. G. T. procurable, W. scanty.	Hamlet.
44	Theog	5	477	Roads to Masuri and Chor peak branch off here.	.....	.....	8170	S. F. G. W. and T. moderate.	Ditto.
	<i>D. B.—</i>	...	...	.....			8328	.....	Bazar.
45	Phagu	...	481	Descent to Simla.	.....	.....	.....	.....	Toll bar.
	<i>D. B.—</i>	...	483	Road to Mashobra	Tunnel 500 ft.	.....	.....	.....	Bazar.
	<i>Maharu</i>	...	486	.....			7200	S. F. G. W. and T. abundant.	Summer capital of India, sanitarium, town, large bazar.
	<i>Sanjoli</i>	12	489	Carriage road made and bridged throughout, Tonga service to Kalka.	This road follows generally the watershed spur, which separates the drainage of				Palace of His Excellency the Viceroy and Governor-General of India.
46	Simla								
	<i>P. O., T. O., Hotels C.</i>								

47	Kiari Ghat D. B.—	16	505	.....	.....	the Sulej from that of the Giri river.	.....	5427	S. and T. nil, F. G. W. moderate.	Three shops.
	Kanda ghat	...	510	4	Road branches east- wards to Chail, palace of H. H. Maharaja of Pa- tiala.	.....	.....	4650.		
48	Selen P. O., T. O., D. B., C. E. small.	15	520	...	.....	.....	.....	5000	S. F. G. W. and T. available.	Village and bazar small cantonment and brewery.
	Baro ghat	...	525	...	.....	.....	.....	5868		
			530	...	Cart-road 2½ miles to Dugshai can- tonment.	.....	.....	
49	Dharwar D. B., E. very small.	12	532	...	Cart-road branches to Sunawar Lawrence Asy- lum and Kasauli 7 miles.	.....	.....	4900	S. F. G. W. and T. procureable.	Toll bar.
			540	...	Great landslip 7 miles from Kalka.	.....	.....	
50	Kalka P. O., T. O. Hotel, C. B.—	15	547	...	.....	.....	.....	2200	S. F. G. W. and T. plentiful.	Large village and terminus of branch railway from Delhi and Umballa.

From Nagri bridge 422 miles there is a road up to Bahli B. 427 miles on the Hindustan and Thibet road, and along latter by Sungri B 8,400 feet 439 miles, at the head of the Pabar valley, Kudrala F. B. 9,400 feet, 449 miles, Bagi D. B. 8,600 feet 457 miles, at the head of the Giri valley, through forest to Nagruna D. B. 8,700 feet 469 miles.

At 531 miles there is a road good for riding to Subathu cantonment 529 miles. Another bridle road also branches off from 532 miles to Subathu 543 miles.

Umballa is 50 miles distant from Kalka by rail.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
LVa SIMLA TO KALKA by OLD ROAD—									
46	Simla	...	489 ...	.....	.....	.....	7200	S. F. G. W. and T. abundant.	Summer capital of India and sanitarium, town and large bazar.
	<i>Batori ghat</i>	..	493 ...	Road to Jutogh and Bilaspur 38½ miles.					
47	Sairi	...	502 ...	Good bridle road the whole way from Simla to Kalka.	.....	.....	4950	S. F. G. W. and T. procurable.	Small bazar.
	<i>Hotel, E. very small</i>	13 ...							
	<i>Haripur</i>	...	507 ...	.....	.....	Bhini bridge.	2717		
48	Kakarhatti	...	508 ...	.....	.....	Gumber "	3600	Ditto	Small village.
	<i>Hotel, E. small</i>	...	509 ...	.....	.....	.....	4250		
	<i>Subathu</i>	...	511 ...	.....	.....	Kuthar nala	3500		
	<i>P. O.—</i>	...	515 ...	.....	.....	.....
49	Kasauli	...	522 ...	.....	.....	.....	6300	S. F. G. W. and T. plentiful.	Convalescent depot and small civil station, bazar.
	<i>P. O., D. B. hotel—</i>	13 ...							
50	Kalka	...	531 ...	.....	.....	.....	2200	Ditto	Bazar and thana.
	<i>P. O., T. O., D. B. hotel, C. E.—</i>	9 ...							Terminus of branch railway from Delhi and Umballa.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
Lv6	<i>ROUTE—contd.</i>	...	599	...					
54	Rampur Mundi <i>B., E.—</i>	12	601	...	Across drainage of Himalayas into Asun river.	.....	1334	S. F. G. W. and T. procurable.	Village.
	<i>Fatehpur B.—</i>	...	604	...	.....	.....	1433	.....	Cross Chakrata and Timli pass road.
		...	607	4	.....	Sitlrao.			
55	Sahanspur <i>P. O., B., E.—</i>	9	610	...	.....	.....	1621	Ditto	Village and thana.
	<i>Jhajra</i>	...	613	...	.....	Suarnarao.			
		...	618	...	.....	Tons bridge.			
		...	621	...	.....	.....	2229	S. G. F. W. and T. abundant.	Military Cantonment, Civil station, town and bazar.
56	Dehra <i>P. O., T. O., Hotel, C., E.—</i>	17	627	...	Across drainage of Himalayas into Suswa river.	Rispanarao.	1680	S. G. F. scarce, T. nil, W. plentiful.	Small village on right bank Song river.
57	Lachiwala <i>E.—</i>	10	637	6	.....	.....	1360	Ditto	Small village on right bank Suswa river.
58	Kunarao <i>C., E.—</i>	8	645	...	.....	Suswa river.			On right bank Ganges, good fishing.
	<i>Rainwala</i>	...	652	...	.....	.....	.....	.....
		...	654	...	.....	Motichur nala.			

59	Hardwar P. O., T. O., D. B., C., E.—	12	657	6	1050	S. G. F. W. and T. abundant.	Small town and bazar; celebrated bathing ghat on Gauges River.
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From Rampur 416 miles, a road goes southwards by Balili, B., Sungri, B., where it crosses the high range dividing the Suttlej and Tonse valleys, Roru on the Pabar river and down this valley, along the right bank, by Raiengarh, Shaha or Arakot and Eaig or Tun bridge F. B., below the junction of the Pabar and Tonse rivers at miles 327 of Route XIX between Simla and Masuri.

From Simla 489 miles, there is a rough path down the Giri valley frequented by fishermen, by Dogra, 4,300 feet (under Junga 5,300 feet, capital of Kuenthal State) 8 miles, Kharganu 3,100 feet 22 miles, Newar 33 miles, Seon 42½ miles, Satibagh 52½ miles near Ranka Lake, Konilla 60½ miles, Sattawan 69½ miles, Rajghat 80½ miles, at junction of the Giri and Jumna rivers. Jumna ferry 82½ miles; Kharganu is about 10 miles below Solon, and Satibagh 18 miles from Nahan.

From Kolar a road branches southwards over the Baila Pass of the Siwalik Range to Bilaspur 20 miles, and Jagadhri railway station 15 miles; total 35 miles.

From Nahan there is a cart-road down the hill to Kala Amb 11 miles, whence there are cart-roads to Umballa 30 miles and to Sadhaura 8 miles. From Sadhaura there are two cart-roads to the N. W. Railway, at Barara 16 miles, and at Jagadhri 18 miles.

LVI SRINAGAR to SIMLA and UMBALLA by CHAMBA and KANGRA—

	Srinagar	...	...	0	...	By road or by boat up the river Jhelum to Kanabul 50 miles by water.	Up Jhelum valley right bank.	.....	5235	S. F. G. W. and T. abundant.	Capital of Kashmir, Hari Parbat fort. Large city and bazar.
1	Pampur	...	...	8	...	.....	.....	.....	5300	S. and T. nil. F. G. W. plentiful.	Two ancient tem- ples in ruins.
	Awantipur E.—	...	18	...	...	.....	Left bank Right bank	Jhelum bridge Ditto	5400	.....	Terminus river navigation.
	Bij Behara Kanabul, B.	...	...	29 33	4	.....	.....	.....	5450	S. F. G. W. and T. plentiful.	Large town, bazar and head-quarters of zillah.
2	Islamabad P. O., T. O., C., E.—	...	17	...	35	Good road passable for laden animals.	.....	.....	.....	.....	.....

Hence there are two routes to Budrawar, one by the Marbul pass and Kishtwar, see Route LV, marches 2 to 8, and Route XVII, marches 12 to 8, the other as under:—

Travellers in Budrawar are advised to apply for a purwanah for supplies and transport to Raja Sir Amar Singh, K.C.S.I., at Jammu.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE.	m.	f.						
LVI	ROUTE—contd.	...	...	35	...	...	...	...	...	...
3	Verinag <i>P. O., T. O., B., E.—</i>	16	2	51	.....	Up Sandrin valley.	Bringh bridge Sandrin "	6000	S. F. G. W. plentiful, T. available.	Large village and tehsil. Copious spring and ruins. Customs post.
4	Chaon	10	...	57 61 69	..... ..... Steep ascent and descent.	..... ..... Braribal pass. Down Linder Khol valley.	Ditto. ..... .....	.....	Ditto	
5	Camp—Southern foot of pass.	13	...	74	.....	.....	.....	...	S. and T. nil, F. G. W. plentiful.	Halting place.
6	Gayi	7	...	81	Rough and stony road.	.....	.....	.....	S. F. G. W. and T. available.	Small village.
7	Bhagwan	9	...	90 94	..... .....	..... Up Chenab right bank.	..... .....	...	Ditto	Ditto.
8	Doda	7	...	97	Good road passable for laden animals.	Across Chenab valley.	Chandra Bha- ga or Chenab rope bridge.	.....	S. F. G. W. and T. plentiful.	Large village and thana.
9	Kalen	10	...	107	.....	Up Neroo valley left bank.	.....	...	S. F. G. W. and T. available.	Small village.
10	Budrawar	11	...	118	Fair road passable for laden animals.	.....	.....	5427	S. F. G. W. and T. ample.	Capital of Budra- war, Jaghir of Raja Sir Amar Singh, K.C.S.I. Iron mines.
11	Thenala	8	...	126	Long ascent to pass and steep descent	.....	.....	.....	S. and T. nil, F. G. W. plentiful.	

12	Lagera — <i>En- camp on roof of huts.</i>	14	6	128	...	down stony bed of stream.	Padri pass down Kandi Marl valley. Down Shoon valley.	...	9000	.....	Border of Kashmir and Chamba.
13	Bhandal <i>Digi</i>	12	...	153	...	.....	.....	.....	5982	Ditto	Hamlet.
14	Manjiri <i>B.—</i>	14	...	167	...	Road hilly stony.	and Across Sachin valley.	.....	.....	Ditto	Ditto.
15	Chamba <i>P. O., T. O., D. B., C., E.—</i>	16	...	168 183	...	..... Rough and stony road.	..... .....	Sachi bridge. Ravi	3000	S. F. G. W. and T. abundant	Capital of Chamba, residence of Raja. Large town and bazar.

From Chamba, a route goes northwards over the Sachi pass and across the Chandra Bha river to Kilar in Pagri at miles 175½ of Route LV; the marches from Chamba are, to Masrond 12 miles, Kahl 9 miles, Tisa 12 miles, Alwas 12 miles, crossing Sachi pass and Chandra Bha river to Kilar 24 miles—Total 59 miles.

From Tisa a path branches eastwards over the Chauri pass and Chandra Bha river to Sauch at miles 184 of Route LV.
From Chamba are two paths north-eastwards by Chauri over the Chauri and Lrali passes to Tindi on the Chandra Bha river at mile 213 of Route LV; also a third path over the Kalichu pass to Triloknath, and a fourth path over the Chobia pass and Chandra Bha river to Bamankoti at mile 243 of Route LV.

From Chamba, there are two routes eastwards up the valley of the Ravi and over the Kukti and Bara Baghal passes and across the Chandra Bha river to Tandi in Lahoul, *see* Route XVIII, marches 11 to 19.

From Chamba to Dalhousie 6,744 feet are two roads, the Upper to Khajjar 7 miles, where there is a Dak Bungalow 6,000 feet at the end of a level and grass valley surrounded by fine deodars, and thence to Dalhousie 10½ miles—Total 17½ miles. The lower road is longer but more level, to Chih, B., 9 miles, and to Dalhousie 12 miles—Total 21 miles. Through transport necessary.

From Chamba to Puthankot, there are three roads, one down the Ravi valley to Batli 14½ miles, Sindhuara 12½ miles, Phandgata 10 miles, Shahpur 11½ miles, Puthankot 8 miles—Total 56½ miles. The second through Dalhousie 17½ miles, Nuree Khud 13 miles, Daneira 10 miles, Dhar 11 miles, Shahpur 12 miles, Puthankot 8 miles—Total 71 miles. The third through Chauri 17½ miles, Nurpur 16 miles, Puthankot 16 miles—Total 49½ miles.

From Chamba to Dharmasala 6,111 feet in Kangra are two routes, one eastwards up the Ravi valley to Rakh 12 miles, Chitrali 10 miles; thence south-eastwards by Koti 4 miles, Chanota 8 miles; hence southwards by Kanari 9 miles, crossing Andhar pass 14,100 feet over the Dhaoli Dhar range to Dharmasala D. B. 6,111 feet 11 miles, and Kangra 2,400 feet 10½ miles—Total 64½ miles. The second route from Chamba south-eastwards by Rareri 6 miles, crossing pass with steep descent of 5 miles to Chauri 12 miles, Rapir 7 miles, Sibhuta 9 miles, Rihloo 12 miles 3,184 feet; hence either to Dharmasala 11 miles—Total 57 miles, or by Chytroo to Kangra 13 miles—Total 59 miles. This is a rough and bad road for ponies.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
LVI	<i>ROUTE—contd.</i>	...	...				
16	Rareri	16 ...	183 ...	.....	.....	...	.....	S. F. G. W. and T. procurable.	Village.
	<i>Mankot</i>	6 ...	189 ...						
		... ..	193 ...	Steep descent from pass for 5 miles.	Mankot gully.				
17	Chuani	12 ...	201 ...	... ..	....	.....	.....	Ditto	Customs post.
	<i>Jajri</i>	... ..	207 ...	... ..	.....	Chukki ford.			
18	Nurpur <i>P. O., D. B., C., E.—</i>	16 ...	217 ...	Join cart-road from Puthankot up the Kangra valley to Palampur 71 miles, bridged throughout with the exception of 7 causeways over raod crossings and partially metall-	Across drainage of Himayas, Dhaoh Dhar range, falling southwards into Beas river.	.....	2000	S. F. G. W. and T. ample.	Ancient fort and town, large bazar and tehsil.
	<i>Jonteh</i>	... ..	226 ...				2200	.....	Cultivated plateau.
19	Kotla <i>P. O., D. B., E.—</i>	13 ...	230 ...			Dehri bridge wooden arch 200ft. span.	1700	S. F. G. W. and T. available.	Large village and thana.
	<i>Mundigram</i>	... ..	239 ...		.....	.....	2740	.....	Tea gardens.
20	Shahpur <i>P. O., D. B., E.—</i>	10 5	240 5		.....	.....	2500	Ditto	Bazar and plateau.
			244 2	.....	.....	Chumbi bridge.	2230	.....	Road branches to Dharmasala.
			247 ...	.....	.....	Guj bridge	2400		

21	Gurkhari , 2½ miles south to Kangra and 8 miles north to Dharm-sala by cart-road.	10	4	248	4	.....	.....	Maji "	2450	S. F. G. W. and T. plentiful at Kangra and Dharmsala.	Kangra, ancient fort, large town and bazar, celebrated Devi temple frequented by pilgrims.
			251	1	.....	.....	.....	Mamuni "	2450		Dhamsala, con-vaescent depot, small military cantonment, and civil station, town. Bazar.
22	Nugroteh	7	...	258	...	.....	.....	.....	2850	S. F. G. W. and T. available.	Several tea gardens on Patahar range.
	<i>Malan bazar</i>	...	...	261	...	.....	.....	.....	3000	.....
		...	...	265	2	.....	.....	Nugul bridge	3070		
23	Palampur <i>P. O., D. B., C., E.—</i>	14	...	272	...	Cart-road under construction from Palampur to Mandi.	.....	.....	4050	S. F. G. W. and T. plentiful.	Large bazar and centre of Tea gardens
24	Bainnath <i>D. B., C., E.—</i>	9	4	281	4	Near border of Mandi State.	Across head of Rana drainage.	Binnun bridge	3300	S. F. G. W. and T. procurable after notice	Hindu ancient temples, place of pilgrimage, cluster of villages.
25	Dhelu in Mandi ... <i>B., E.—</i> <i>Guma</i>	12	...	293	4	Cart-road southwards from Guma to Mandi and along ridge of spur separating the Guma to Kulu.	Down Rana valley keeping along ridge of spur separating the Rana and Ool valleys.	.....	.....	S. F. G. W. and T. available.	Village.
		...	...	300	...			.....	5100	.....	Salt mines.
26	Hurla in Mandi ... <i>B.—</i>	13	...	306	4			.....	4740	Ditto	Village.
27	Drung in Mandi <i>B., E.—</i>	12	...	318	4			.....	3500	Ditto	Salt mines.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
LVI	<i>ROUTE—contd.</i>	...	...	318	4					
28	Mandi <i>P. O., D. B., C., E.—</i>	11	4	330	...	Good road passable for laden animals.	Up Sukaty valley.	Beas bridge, iron suspension 240 feet span.	2991	S. F. G. W. and T. abundant.
<p>From Dhamsala there is an upper bridle road bridged throughout, 11 miles to Dadh D. B., 3,500 feet and 10 miles to Palampur D. B., passing by the Kuniara Slate quarries at 3½ miles from Dhamsala. It is dotted with tea gardens.</p> <p>From Kangra there is a road by Rautail, Juata Mukhi 1,883 feet, Nalgaon, where cross Beas river to Belaspur and Simla, which is described in Route XIX, marches 11 to 21.</p> <p>From Palampur 272 miles there is a track northwards over the Dhaoli Dhar range by Eimcoru 3 miles, Klaj pass 14,400 feet 18 miles, to Chanair 30 miles, on the left bank of the Ravi river in Chamla at mile 166 of Route XVIII between Chamla and the Para Baghal pass.</p> <p>From Guna 300 miles the Kulu road eastwards continues to Jhatingsri B., 6,600 feet, in Mandi 304 miles 4 furlongs, crosses Ool bridge, Badwani B., 6,700 feet, in Mandi 317 miles 2 furlongs, cross Bulu pass 9,480 feet, Kurann P., in Kulu 327 miles 2 furlongs, Sultampur 335 miles 2 furlongs, D. B., 4,043 feet, telstil chief town in Kulu. This route is closed in winter.</p> <p>From Drung 318 miles 4 furlongs, in Mandi another route goes eastwards to Kulu, which is open in winter, by Kataula B., in Mandi 330 miles 4 furlongs, cross Dulchii pass 6,700 feet, 338 miles 4 furlongs, Kandi B., 339 miles 4 furlongs, Bajaora D. B., in Kulu 357½ feet 348 miles, Sultampur 357 miles.</p> <p>From Bajaora is the Kulu route to Simla by Plach and Kotgarh which is described in Route LV, marches 36 to 46.</p> <p>From Mandi 330 miles eastwards to Kataula is 13 miles.</p>										
29	Suket <i>P. O., E.—</i>	16	...	338	...	Flat and level road	Down Sutlej valley.	Sukaty bridge, ...	2965	S. F. G. W. and T. plentiful.
				346	...					Capital of Suket State, or Bena. Town and bazar.

From Dharnasala there is an upper bridle road bridged throughout, 11 miles to Dalh D. B., 3,500 feet and 10 miles to Palampur D. B., passing by the Kuniara Slate quarries at 2½ miles from Dharnasala. It is dotted with tea gardens.

From Kangra there is a road by Raital, Juala Mukhi 1,883 feet, Nadaam, where cross Beas river to Belaspur and Simla, which is described in Route XIX, marches 11 to 21.

From Palampur 272 miles there is a track northwards over the Dhauti Bhair range by Eunoru 3 miles, Klaj pass 14,400 feet 18 miles, to Chanair 30 miles, on the left bank of the Ravi river in Chamba at mile 163 of Route XVIII between Chamba and the Para Paghal pass.

From Gunia 300 miles the Kulu road eastwards continues to Jhatigri B. 6,600 feet, in Mandi 304 miles 4 furlongs, crosses Ool bridge, Badwani B., 6,700 feet, in Mandi 317 miles 2 furlongs, cross Bubu pass 9,480 feet. Kuram P., in Kulu 327 miles 2 furlongs, Sultanpur 335 miles 2 furlongs, D. B., 4,043 feet, telail, chief town in Kulu. This route is closed in winter.

From Drug 318 miles 4 furlongs, in Mandi another route goes eastwards to Kulu, which is open in winter, by Kataula B., in Mandi 330 miles 4 furlongs, cross Dulehi pass 6,700 feet, 338 miles 4 furlongs, Kandi B., 339 miles 4 furlongs, Bajora D. B., in Kulu 357 miles 4 furlongs, Sultanpur 357 miles.

From Bagaora is the Kulu route to Simla by Plach and Kotgarh which is described in Route LV, marches 36 to 46. From Mandi 330 miles eastwards to Kataula is 13 miles.

29	Suket P. O., £.—	...	16	...	346	...	558	...	flat and level road	Down Sattlej valley.	...	Sukaty bridge.	2965	S. F. G. W. and T. plentiful.	Capital of Suket State, or Bened. Town and bazar.
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30	Dihar P. O., B. —	...	12	...	358 364	Ditto left bank.	Sutlej ferry Unlay bridge.	...	S. F. G. W. available, T. nil.	Large village on right bank Sutlej.
31	Bilaspar P. O., B., E. extensive <i>Nairti</i>	...	11	...	369 372 374	...	Road fair passable for laden animals.	...	..... Gumrola bridge. Gumber bridge.	1600	S. F. G. W. and T. ample.	Capital of Bilaspar or Kahlur State, residence of Raja. Large town and bazar.
32	Kundulu	...	16	...	379 385	...	Stony ascent and descent.	Chambarang.	.....	.....	S. F. G. W. and T. procureable.	Village 2 miles from Hindur.
33	Nalagurh P. O., B., E. —	...	14	...	399	...	Good road but stony up Pinjor Dun.	..... Up Sinsa valley in Pin- jor Dun.	.....	.....	S. F. G. W. and T. plentiful.	Capital of Hindur State. Town and bazar.
34	Badi B., E. limited — <i>Karanpur</i>	...	12	...	411	...	Ditto	.....	.....	.....	S. and T. after notice, F. G. W. available.	Small village.
35	Kalka , terminus of branch railway from Umballa. P. O., T. O., Hotel, C., E. confined and stony.	...	13	...	418 424	...	Ditto By Railway	.....	...	2200	S. F. G. W. and T. ample.	Large village situ- ated at foot of Himalayas, whence two roads to Simla.
36	Umballa by rail	...	39	...	463	...						

From Bilaspar there are two roads eastwards to Simla, of which the southerly one up the Gumrola valley is described in Route XIX, marches 18 to 21, the northerly one runs thus : Bilaspar 369 miles, Namuli B., 381 miles, Erki B., 395 miles, Jutogh 411 miles, Simla 417 miles.

From Nalagurh is a road westwards to Ropar 1,120 feet and 16 miles, a town on the left bank of the Sutlej river, where it issues from the Himalayan hills, and at the head of the Sirhind Canal. A branch tramway, formerly extended from Nalagurh by Ropar and Machiwarra to Doraha on the N.-W. Railway, to serve for the construction of the head works of the Sirhind Canal and it has since been taken up.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
10	Budrawar	...	118	2	Fair road passable for laden animals runs almost due south to Puthankot and Jalandhar.	Up Halum valley. Chatardhar pass.	..... .....	5427 10100	S. F. G. W. and T. abundant. Capital of Budrawar and Jaghir of Raja Sir Amar Singh, K.C.S.I. Large town, bazar and fort.
11	Camp at <i>southern foot of pass.</i>	14	6	133	...	Down Jabar valley left bank. Siowa valley.	.....	.....	S. and T. nil. F. G. W. plentiful. Halting place.
12	Loang	15	...	148	...	Down Siowa valley.	.....	.....	S. F. G. W. and T. procurable. Small village.
13	Hartli <i>Ojoen</i>	8	...	156 158 160	...	..... Banjil pass over Ramruchun or Chara ridge	..... Siowa bridge.	...	S. F. G. W. and T. available. Village.
14	Pood	14	...	170	...	Down Chil valley.	.....	Ditto	Ditto.
15	Basaoli <i>P. O., C. E.—</i>	13	...	183	...	Down Ravi valley right bank.	.....	2170	S. F. G. W. and T. plentiful. Town, fort and bazar on right bank of Ravi river.

Via BUDRAWAR to JALANDHAR and AMRITSAR by PUTHANKOT—

16	Thain	...	12	...	195	...	.....	Cross to left bank.	Ravi ferry	.....	Ditto	Village and fort.
17	Madhopur <i>P. O., D. B., E.—</i>	...	15	...	210	...	Cart-road hence to Puthankot.	.....	.....	1137	Ditto	Bazar and cana workshop.
18	Puthankot <i>P. O., T. O., Hotel, C., E.—</i>	...	10	...	220	...	.....	.....	...	950	Ditto	Town and bazar. Terminus of branch railway.

Hence there is a branch railway by Gurdaspur 23 miles and Batala 43 miles, to Amritsar 67 miles in length.

From Puthankot there are two routes to Jalandhar, one direct by Mokerian and the other through Kangra and Hoshiarpur.

19	Mirthal	...	12	...	222	...	.....	Down Beas valley.	Chukki ford.	.....	S. F. G. W. and T. procurable after notice	Small village on right bank Beas
20	Mokerian <i>P. O., B., E. good—</i>	...	12	...	232	...	Earthen unbridged road, stony in places, crossing many ravines.	.....	.....	915	S. F. G. and T. available, W. plentiful	Small town and fort.
21	Dasoha <i>P. O., C., E. good—</i>	...	9	...	245	...	Good road from Dasoha to Jalandhar.	.....	.....	.....	Ditto	Village.
22	Tanda <i>P. O., D. B., E. good</i>	...	10	6	254	6	.....	.....	Veyn bridge	.....	Ditto	Ditto.
23	Kala Bakru <i>E. good—</i>	...	13	...	272	6	.....	.....	Ditto.	.....	S. F. G. W. and T. procurable after notice	Small village.
24	Jalandhar <i>P. O., T. O., D. B., C., E.—</i>	...	14	...	275	6	.....	.....	...	.....	S. F. G. W. and T. abundant.	Station N.-W. Railway, civil station and military cantonment. Headquarters of Commissioner. Large city and bazar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
The other route by Kangra and Hoshiarpur is as under:—									
18	Puthankot <i>P. O., T. O., Hotel, C., E.—</i>	...	220	Cart-road bridged throughout with exception of 7 causeways between the Lyall Viaduct and Kotla. It is partially metalled, and the soil being gravelly, tongas and ekkas can travel at a good speed. Ground undulating throughout.	Across drainage of Himlayan range, Dhaoli Dhar, which falls southwards into the Beas river.	...	950	S. F. G. W. and T. plentiful.	Terminus of branch railway, town and bazar.
19	Lyall Viaduct <i>E.— Banda Badki</i>	7	227			Bridge over Chukki river, 28 spans of 40 ft. stone arches.	1300	S. and T. nil, G. F. W. plentiful.	Halting place.
		...	229				...	.....	Shops.
		...	233				...	.....
20	Noorpur <i>P. O., D. B., C., E.— Jonteh</i>	9	236				2050	S. F. G. W. and T. ample	Ancient fort, tehsil, large town and bazar.
		...	245				2200		
21	Kotla <i>P. O., D. B., E.— Parhi Mundigram</i>	13	249			Dehri bridge wooden arch 200 ft. span.	1700	S. F. G. W. and T. available.	Large village and thana.
		...	253				.....	.....	Shops.
		...	258				2740	.....	Tea gardens.
22	Shahpur <i>P. O., D. B., E.— Nerti</i>	10	259				2500	Ditto	Bazar and plateau.
		5	260			Koli bridge.			
		4							
		...	263			Chambi "	2230	.....	Road branches to Dhamsala.

NUMBERS OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LVIa	ROUTE—contd.	...	...				
29	Hoshiarpur P. O., D. B., C., E. <i>confined—</i>	8	4	Hence - cart road bridged and metalled to Jalandhar, where dak ghans procurable.	.....	Chooa Rao	1055	S. F. G. W. and T. ample.	Small civil station, town and bazar.
30	Adampur <i>Nasrula</i>	14	...	.....	.....	.....	880	Ditto after notice	Small village.
31	Jalandhar P. O., T. O., D. B., C., E.—	11	...	.....	.....	.....	778	S. F. G. W. and T. abundant.	Station on N.-W. railway, civil station and military cantonment. Large city and bazars. Head-quarters of Commissioner of Jalandhar.

From Hoshiarpur there is a good road eastwards to Maudi thus :—

Hoshiarpur D. B., 1,055 feet, across Panda Gala of outer Siwalik range 14 miles, across Sohan river in the Jeswant Dun to Onuh B., 1,329 feet 26 miles, across two ranges of the inner Siwalik hills 29 to 39 miles, to Barsar B., 42 miles, across Jaroli pass of Hamirpur range 52 miles, to Aghar B., 54 miles, across Ludrar pass of another range 60 miles, across Sher Khud river 68 miles, to Panla B., 3,308 feet, in Mandi 70 miles, across another range 76 miles, to Galma B., 3,004 feet 82 miles, and down Sukaty valley to Maudi D. B., 3,000 feet 95 miles.

LVI GILGIT to SRINAGAR—See Route XLVI. Srinagar to Chilas by Kamakduri pass, 15,008 feet.
XLVII. Srinagar to Astor by Shontar pass, 15,052 feet.
XLVIII. Srinagar to Gilgit by Burzil Dorikun pass, 13,900 feet.

LXII GILGIT to SRINAGAR by SKARDU—Old Route, Map.

	Gilgit or Gilit <i>P. O., T. O., E.—</i>	...	0	Road fair, mostly over maidan, fit for pony traffic in winter. Closed in summer owing to want of bridges. Three bad parris or cliffs in this march.	Down Gilgit valley left bank.	Gilgit river	4890	S. F. G. and T. moderate, W. plentiful. ...	Military Canton- ment, town and bazar. Residence of Politi- cal Agent, head- quarters of pro- vince.
1	<i>Dainjor</i>	...	4	...	...	Hunza "	.....	...
	<i>Ushkhan</i>	...	12	...	...	Bagrot "	.....	...
	Chamogah <i>E.—</i>	17	...	Three bad parris or cliffs in this march.	.....	Batakora nala	.....	S. and T. nil, G. F. W. available.	Junction of Gilgit and Indus rivers.
2	Boogun	14	...	.....	Up Indus valley right bank.	.....	.....	Ditto F. scarce.	
	<i>Shuta</i>	...	33 37 38	Very rough road, 3 bad cliffs to cross impassable for ponies.	The river flows through a succession of deep gorges with high precipitous cliffs on both sides.	Shuta nala. Hauchal " Khaltar "	.....	S. and T. scarce, G. F. W. plentiful.	Jhula bridge over Indus river 260ft. span.
3	Sasil (Haramosh) <i>E.—</i>	9	...	Road very bad over rock cliffs, ladders used in several places, one steep ascent and de- scent.	Shingos spur of Haramosh south peak.	Dach "	.....	S. and T. nil, G. F. scarce, W. available.	
	<i>Shabtot</i>	...	43	...	...	Shabtot "	.....	
	Borungdoi	8	...	Hard work, steep ascent and descent of 4,000 and 5,000 feet.	...	Borungdoi " Hot springs	.....	
4		...	50	...			10500.		
		...	53	...					

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m.	f.	TOTAL. m. f.						
LVIII 5	<i>ROUTE—contd.</i>	...	...	53 ...	Half march good and half march bad along the face of cliffs.	.....	Gorosil nala	.....	S. and T. very scanty, G. F. W. plentiful.	Hamlet opposite Saper on left bank Indus. Hamlet.
	<i>Bulchu E.—</i>	...	11 ...	59 ...		...	.....	.....	S. and T. very scanty.	
		...	...	68 ...		.....	.....	.....	S. and T. very scanty.	
6	Shutroon	...	13 ...	72 ...	Road fair with exception of 3 bad cliffs.	.....	.....	.....	S. and T. nil, F. G. W. available.	Village and fort opposite Fulchurh on left bank Indus.
7	Stak E.—	...	6 ...	78 ...		.....	Stak bridge	.....	S. F. G. W. and T. plentiful.	
Between Gilgit and Stak there are no supplies and no transport, grass and wood fuel are scarce. From Stak there is a loop route N. E. up the Stak valley, passing several small villages to Kurchung 86 miles, over Stak La 98 miles, crossing a small glacier, and S. E. down the Tormik valley by Dunsah 104 miles, Hurimul 113 miles, Kashipa or Buzgan 116 miles, to Dusu 120 miles, on right bank of the Indus river. From Hurimul a path goes westwards over the Gauto La 15,110 feet 119 miles, and down the Beltoro Loomba to Chutrum hot springs 116 mile, on the right bank of the Basha river. From Buzgan 3 miles below Hurimul, in the Tormik valley, another path westwards crosses the Munbluk pass and goes down the southern slope of the Bokdar spur to the junction of the Basha and Braldu rivers 8,227 feet, which united form the Shigar river. The regular route down the Indus valley on right bank continues from Stak as under :										
8	Steriko E.—	...	10 ...	88 ...	Better road fit for riding ponies, though cliff crossings prevent use of laden ponies.	Up Indus valley right bank.	.....	.....	S. F. G. W. and T. plentiful.	Village.

9	Twar E.—	...	94	...	Road good with exception of 3 cliffs.	.....	.....	.....	Ditto	Large village— Jhula 110 ft. span over Indus to Rundu (Mendi) on left bank. Village at mouth of Tormik valley.
10	Dusu E.— Baicha	10	104 106 108	...	Road fair .....	..... Cross spur.	Tormik bridge. Hontara "	.....	S. and T. scarce, F. G. W. plentiful.	
11	Tungus	...	113	...	Ditto	.....	Tungus nala	.....	S. F. T. scarce, G. W. plentiful.	Hamlet.
12	Tsarri	...	123	...	Ditto	.....	.....	.....	S. and T. scarce, F. G. W. plentiful.	Ditto.
13	Komra E.— Khergron	...	132 138	...	Road good and level over wide sandy plain.	Indus valley widens out. .....	.....	.....	S. F. G. W. and T. plentiful.	Large village.
14	Skardu P. O., T. O., C., E.—	12	144	...	.....	Cross to left bank.	Kuardo nala. Indus ferry	7400	S. F. G. W. and T. abundant.	Capital of Baltis- tan. Cluster of villages, fort, telsil, thana, head- quarters of Wazir.

For the road onwards from Skardu to Srinagar, see Routes :

XLIX by Deosai plains and Gurais 158 miles 4 furlongs, open only from July to September inclusive—Total 299½ miles,
L by Dras and Sindh valleys 233 miles, open from June to November inclusive. Total 374 miles.

The route Gilgit to Skardu is open to footmen all the year, except when the rivers are in flood—Travellers had better take all their provisions and supplies through from Gilgit or Skardu, and through transport also, changing a few coolies only on the road.

From Sasil Haramosh, after crossing the Indus rope bridge, there is a difficult path down left bank by Sinjak Brangsa 12 miles, to Bunji 12 miles. From Sasil Haramosh, after crossing the Indus rope bridge, there is a difficult path down left bank by Sinjak Brangsa 12 miles, to Bunji 12 miles.

From Sapsar on left bank of the Indus opposite Bulchu 68 miles, a path goes southwards over the Lokam pass of the dividing range and descends down the Dichil nala to the Astor river opposite Dashkin at 163½ miles of Route XLVIII.

From Fulchur on left bank of the Indus opposite Stak 78 miles, a track ascends the Pindas nala southwards to Silter which joins the foregoing path at the northern foot of the Lokam pass.

From Rundu (Mendi) on the left bank of the Indus, opposite Twar 94 miles, a track ascends the Tuckchun valley southwards to Chutabar, whence it forks out by two paths over the Trongo Pir and Hurpo La of the dividing range, which uniting again in the Parishing valley, continues westwards to Astor, see Route XLVIII and foot-note.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						

LIX. GILGIT to JAMMU by KISHENGUNGA VALLEY and KOTLI, 434 miles—See Route X.

LX. GILGIT to RAWUL PINDI by BARAI PASS and MOZUFFERABAD—Map. Weightman.

	Gilgit or Gilit P. O, T. O, E.—	0	...	Made road towards Srinagar as far as Ranghat, bridg- ed and passable throughout for laden animals.	Down Gilgit valley right bank.	.....	4890 } 5025 }	S. F. G. T. moderate, W. plentiful.	Military Canton- ment, fort, town, bazar, residence of Political Agent, head-quarters of province.
1	Minawar B. E.—	9	...	...	.....	.....	4000	S. and T. nil, F. W. available, G. scarce.	Small village.
2	Safed Pari D. E.—	10	...	Ascent and descent of easy gradient.	.....	.....	.....	S. F. G. T. nil, W. from river.	Cliff.
	<i>Pertabpur C.</i>	...	...	...	Down Indus valley left bank.	Indus bridge wire rope suspension 339 ft. span.	3850	Ditto	Serai on left bank Indus.
3	Bawanji or Bunji P. O, T. O, B. E.—	17	...	.....	.....	.....	4631	S. G. W. and T. moderate, F. scarce.	Fort and bazar.
*	<i>Ranghat</i>	...	...	Hence turn west- wards from Sri-	.....	Astor bridge.	3700	.....	Military post.

4	Leechar	...	13	...	49	...	nagar road down left bank Indus valley. The hill slopes along base of Hatu Fir between Ramghat and Jaliper are exposed to shale slides; 6 feet road recently opened out and bridged to Bagtogah.	.....	Leechar	.....	S. and T. nil, F. G. scarce, W. from river.	Site of great mountain slip from Hatu Fir into Indus in 1841, which blocked the river.
5	Jaliper	...	14	...	51	...		.....	Raikheot	.....	
					52	...		.....	Phungatori	.....	
					63	...		.....	Jaliper	.....	Ditto	Halting place.
					67	...		.....	Ganalo	.....	
					69	...		.....	Gonar	.....	
6	Bagtogah E.—	...	15	...	78	...	Turn southwards and ascend Bunar valley by a rough and stony path.	Up Bunar valley.	Bunar	.....	Ditto	Opposite Ges on right bank Indus.
7	Diamirai	...	...	...	86	...		.....	.....	.....	S. F. G. W. and T. moderate.	Fort and village.
8	Bunar E.—	...	12	...	90	...		.....	.....	.....
9	Paloi	...	11	...	101	...		.....	.....	.....	S. and T. scanty, F. G. W. available.	Hamlet.
					113	...	Very rough path on ascent and descent from pass —steep on both sides.	.....	.....	.....	S. and T. nil, F. scanty, G. W. available.	North foot of pass.
10	Bunar Dumel	...	12	...	122 124	...		Barai pass down Barai ravine.	.....	14000.		
					131	...		.....	.....	.....	Ditto	South foot of pass.
	Kalan	...	18	...	137	...		.....	.....	.....
	Mori	...	...	...	143	...	Join the Astor and Kishengunga road, passable for laden animals.	Down Khet valley.	.....	7300	S. and T. nil, F. G. W. plentiful.	Hamlet.
11	Dumel Khet E.—	...	12	...	143	...			.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LX	<i>ROUTE—contd.</i>	...	...				
12	Khel <i>E.—</i>	8	151	Between Khel and Shardi, 13 miles of the road are difficult for laden ponies.	Down Kishengunga valley right bank.	.....	6250	S. and T. scanty, F. G. W. plentiful.	Village.
13	Seri <i>E.—</i>	8	159	.....	.....	.....	6000	S. T. nil, F. G. W. plentiful.	Small village.
14	Shardi or Kurigam <i>P. O., E.—</i>	9	168	Road chiefly through fields with many ups and downs over spurs.	.....	Kankatori bridge.			
						Kishengunga bridge.	5850	S. and T. available, F. G. W. plentiful.	Shardi fort on left bank, Kurigam on right bank.
15	Dudnial <i>E.—</i>	9	177	Difficult path over precipitous cliffs.	.....	Kishengunga bridge.	5950	Ditto, T. nil. ...	Hamlet.
	<i>Changa</i>	...	179	.....	.....	Badore "			
16	Doarian <i>E.—</i>	7	184	Road rough and stony, partly through fields, forest and grassy slopes.	.....	.....	5050	S. F. G. W. and T. available.	Small village.
	<i>Tali Lobat</i>	...	185		.....	Seri "			
		...	189		.....	Oolari "			
		...	191		.....	Babunka Katta bridge.			

17	Karen <i>P. O., E.—</i> <i>Lalla</i>	...	8	...	192	...	Road fair and level through forest and fields.	.....	Kishengunga bridge.	4650	S. F. G. W. and T. plentiful.	Karen fort on left bank, large vil- lage in Drawar.
18	Shahkot <i>Sakalla on left bank</i> <i>Dooral</i>	...	9	...	198	...	Road rough and stony, and crosses several high spurs and the Jagran valley.	... ..	Katta "	4300	S. and T. nil, G. F. W. available.	Small village.
19	Jora <i>Baran</i>	...	10	...	201	...	Road rough and stony to Jora and thence ascends spur.	... ..	Kishengunga bridge.	.....	.....	Village.
20	Chowgali	...	11	...	202	...	Road rough and stony to Jora and thence ascends spur.	... ..	Jagran "	3700	Ditto	Ditto.
21	Balagran <i>E. snail—</i> <i>Jing</i>	...	8	...	211	...	Road rough and stony to Jora and thence ascends spur.	... ..	.....	6000	S. and T. nil, F. G. W. available.	Large village.
22	Pala <i>E.—</i> <i>Mundabal</i>	...	...	...	216	...	Road rough and stony to Jora and thence ascends spur.	Chow gali	.....	.....	S. and T. moderate, F. G. W. available.	Dok.
23	Kuri <i>P. O., E.—</i>	...	7	...	222	...	Road rough and stony to about half way, thence through patches of cultivation.	... ..	Urshi bridge	.....	S. and T. moderate, F. G. W. available.	Village.
		...	...	...	230	...	Road rough and stony to about half way, thence through patches of cultivation.	... ..	.....	.....	S. F. G. W. and T. plentiful.	Large village.
		...	...	...	234	...	Road rough and stony to about half way, thence through patches of cultivation.	... ..	Pakot "	.....	... ..	Village.
		...	...	...	238	...	Road rough and stony to about half way, thence through patches of cultivation.	... ..	Shalam "	.....	Ditto	Small town.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LX	ROUTE—contd.								
24	Mosufferabad ... P. O., C., E.—	...	245 ...	...	.....	Kishengunga bridge.	2470	S. F. G. and W. plentiful, T. moderate.	Town and bazar, fort and headquarters of zillah.
	<i>Dunal</i> ... P. O., T. O., D. B., E.	...	255 4	Join cart-road, bridged and metalled from Srinagar to Rawul Pindi; open all the year except when there is heavy snow at Murree in January and February.	Down Jhelum valley left bank.	Jhelum bridge.	2225.		
25	Dulai ... D. B., E. confined—	11 ...	265 ...	.....	.....	.....	2105	S. F. G. W. procurable, T. after notice.	Hamlet.
26	Kohala (<i>Kashmir border</i>) ... P. O., T. O., D. B., E. small—	12 ...	277 ...	.....	Cross to right bank.	Jhelum bridge.	1916	Ditto	Small bazar and customs post.
28	Murree (Sunny Bank) ... P. O., T. O., Hotels, C., E.—	27 4	304 4	Road bridged and metalled, regular tonga service.	Kuldanha	.....	6600	S. F. G. T. ample, W. from new supply.	Murree, head-quarters of Lieutenant-General Commanding Punjab Army. Civil and Military Sanitarium, town and large bazar.

31	Rawul Pindi P. O., T. O., Hotels, D. B., C., E.—	36	6	341	2	1700	S. F. G. W. and T. abundant.	Large Military Cantonment and Civil Station, fort, city, head-quar- ters of district and division, and station on North- Western Railway.
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For description of route between Kohala and Rawul Pindi see Route XLIII, marches 10 to 15.

From Shahkot 201 miles, or Doral 205 miles, there is a shorter route to Pala by the Sarango or Sirsunga pass, up Jagran valley westwards to Kuttun 209 miles, southwards up ravine over the Sirsunga pass, to Jabbian Dok 217 miles, descending Urshi valley south westwards to Panjoor 226 miles, and to Pala 232 miles.

There are several cross routes over the dividing range between the Kishengunga and Khagan valleys, those chiefly used by traders are :—

From Kurigam or Doarian by Ratti gali to Burawai.
From Tali Lohat up Oolari valley by Jotari pass to Burawai.
From Karen up Babunka katta valley by Nagdera over Chirik gali, across Jagran valley and over Shikara gali to Manur.

From Shahkot or Doral up the Jagran valley by the Tor gali to Batta kund.
Ditto ditto by the Shikara pass to Manur.

Ditto ditto by the Bichla pass to Manur.
From Mundabal up the Pakot valley by the Bhadri gali to Bhunja.

From Kuri up the Shalam valley by Rajkot and Makra gali to Ghanul.
Ditto ditto by Nur gali to Balakot.

Ditto ditto by Galoti gali to Balakot, well frequented.
From Mozufferabad by Doob gali to Garhi Habibulla, regular road, 10 miles.

Ditto ditto by Lohar gali to ditto 12 miles, well frequented.

LXI GILGIT TO HASSAN ABDAL or KALAKE SERAI by KHAGAN VALLEY and ABBOTTABAD—*Fairre, Anderson.*

Between Gilgit and Chilas in a line due south are two high ranges of mountains over 15,000 feet high, with an intervening valley, the Sai or Burbunai (which flows into the Indus at Sai a short distance above Bunji) and beyond the Indus river without bridge or ferry to cross. Difficult paths lead from Gilgit across the first range to Paiot 11,400 feet and Gashu 8,400 feet on the Sai river; thence across the second range from Paiot over the Kinejit pass 14,000 feet down the Hodar valley by Hodar to the Indus, and over Bariben pass down the Khinar valley by Totambai, Dusi to Thalpen on right bank of the Indus opposite Chilas; or from Gashu by the Malpat or Mtere passes, and down the valley of the same name to Ges, on right bank of the Indus, opposite Bunar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
The ordinary road from Gilgit by Bunji to Chilas should be followed as under :—									
1	Gilgit P. O., T. O., E.—	...	0 ...	Made road towards Srinagar as far as Ramghat, bridged and passable throughout for laden animals.	Down Gilgit valley right bank.	.....	4890 } 5025 }	S. F. G. T. moderate, W. plentiful.	Military Cantonment, fort, town, bazar, residence of Political Agent, head-quarters of province.
	Minawar B., E.—	9 ...	9 ...	.....	...	.....	4000	S. and T. nil, F. W. available, G. scarce.	Small village.
2	Safed Pari B., E.—	10 ...	19 ...	Ascent and descent of easy gradient.	.....	.....	.....	S. F. G. T. nil, W. from river.	Cliff.
	<i>Pertabpul C.</i>	...	29 ...	.....	Down Indus valley left bank.	Indus bridge steel wire rope.	3850	Ditto	Serai on left bank Indus.
3	Bunji P. O., T. O., B., E.—	17 ...	36 ...	.....	.....	.....	4631	S. G. W. and T. moderate, F. scarce.	Fort and bazar.
	<i>Ramghat</i>	...	43 4	Hence turn westwards down Indus valley, left bank to Chilas, 6 feet road made and mostly	.....	Astor bridge	3700	.....	Military post.
4	Leechar	13 ...	49 ...		.....	Leechar "	.....	S. and T. nil, F. G. scarce, W. from river.	Site of great mountain slip from Hatu Pir into Indus river in
		...	51 ...		.....	Raikheet "			

5	Jaliper	...	14	...	52	...	bridged. Hill slopes below Hatu Pir exposed to shala slides.	.....	Phungatori "	.....	Ditto	1841 which blocked up the river.
					63	...		.....	Jaliper "	.....		Halting place.
					67	...	Rest of road fairly easy.	.....	Ganalo "	.....	
					69	...	.....	.....	Gonar "	.....	
6	Bagtogah <i>E.—</i>	...	15	...	78	...	.....	.....	Bunar "	.....	Ditto	Opposite Ges on right bank Indus.
					88	..	.....	.....	Khanogah "	.....	
7	Chilas <i>P. O., B., E.—</i> <i>Dassa</i> <i>Singal</i> <i>Basha</i>	...	13	...	91	...	Hence turn southwards and ascend Khanogah valley to Basha and up western Thak ravine to Babusar.	Up Khanogah valley.	.....	.....	S. T. W. moderate, F. G. scarce.	Fort, small cantonment, village and bazar.
					95	...		.....		.....
					97	..		.....		.....
					99	...		.....		.....
					101	...		.....	Niat bridge.	.....	
8	Thak <i>E.—</i>	...	14	...	105	..	Good road of easy gradient. Eastern Niat ravine leads to Kamakduri pass 15,000 feet and down to Kishengunga valley at Shardi.	.....	Thak "	.....	S. F. G. W. and T. moderate.	Village and fort on summit of high rock.
								..	crossed 4 times by bridges.	.....	S. and T. nil, F. G. W. plentiful.	Hamlet.
9	Babusar <i>E.—</i>	...	8	...	113	...				.....
							Ascent and descent of pass steep over easy ground.	Babusar pass down Khanogah valley.	.....	13500		
10	Gittidas	...	6	4	119	4	.....	.....	Gittidas-katta.	12100	Ditto F. Juniper.	Halting place.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
KI	<i>ROUTE—contd.</i>	...	119 4				11700	.....	Bridge will be built.
	<i>Lahuar Lake</i>	...	126 4		Down Gittidas ravine to Lake along left bank,	Kunhar ford	11000	S. and T. nil, F. G. W. plentiful.	Halting place.
11	Basul E.—	10 ..	129 4	Road recently remade, passable throughout for pack animals, cliff passages improved and some bridges provided.	thence down Kunhar or Nainsook river, crossing to right bank at Basul and left bank at Burawai, and keeping along the left bank to Narang, whence good road along river bank to Khagan.	.....	.....	.....	Junction of Purbia-ka-katta.
	<i>Kotawai</i>	...	130 4	.....		.....	.....	.....	Ditto Julkhud-ka-katta.
	<i>Seri</i>	...	133 4	.....		.....	.....	Ditto	Ditto Jora-katta.
	<i>Buawai</i>	11 6	141 2	.....		Kunhar bridge	9330		
12	Bhatta Kundi	8 2	149 4	Between Bhatta Kundi and Narang are some difficult cliffs.		Bhatta Kundi	...	Ditto	Junction of Bhatta Kundi-ka-khatta.
	<i>Sahoch on right bank</i>	...	153 ..	.....		.....	.....	.....	Sapal pass road from Yaghistan.
	<i>Saiful Malik Lake 4½ miles east.</i>	...	158 ..	.....		Saiful Malik Lake.	11600	.....	Up rocky gorge east.
14	Narang	9 4	159 ..	Between Narang and Khagan good road along either bank.		Kunhar bridge.	8275	S. F. G. W. and T. plentiful.	Highest village in Khagan valley. Food depot for Gujar herdsmen.
15	Khagan	14 4	173 4	Road difficult in places.	Then along left bank to	Ditto	6800	S. and T. scanty, F. G. W. plentiful.	Village on left bank.

16	<i>Dixon Bela</i> Manaur <i>B.—</i> <i>Bichla 3 miles up nala.</i> <i>Jured</i>	...	...	178	4	.....	Jared and Kawai to Balakot, where cross over to right bank.	Nainsook gorge. Bichla bridge.	..... ..... 5135	Ditto	..... ..... Ditto	Site of great battle in which Sikh Army was annihi- lated by mountain tribes. Village on left bank.
17	<i>Malkundi, F. B.</i> <i>Bhunjia 3 miles up</i> <i>nala</i> <i>Paras</i>	...	...	191	...	Between Bhunjia nala and Paras are some danger- ous cliffs, where loads should be taken off animals and carried by men.	.....	Bhunjia bridge	.....	Ditto	.....	Small village.
18	<i>Kawai</i> <i>B.—</i> <i>Ghanul 2 miles up nala</i>	...	14	4	198	...	Road fair, several steep ascents and descents, narrow in places.	.....	.....	5025	S. and T. moderate, F. G. W. plentiful.	Small village.
19	<i>Balakot</i> <i>B. E.—</i> <i>Biayan</i>	...	13	...	211	...	Road good and easy over pass.	.....	Ghanul "	3700	S. F. G. W. and T. plentiful.	Small town and thana on right bank.
20	<i>Jaba</i> <i>B.—</i>	...	11	...	222	...	From Biayan, the road continues down the valley to Garhi Habi- ulla 232 m. 3 fg. D. B. and joins the Kashmir road.	Dun gali	.....	.....	.....	Pass of easy gra- dient on both ap- proaches. Small village.
21	<i>Mansera</i> <i>P. O., D. B., C., E.—</i>	...	13	...	228	...	Joins the earthen and bridged cart- road to Abbotta- bad.	.....	Bhatti bridge	3540	S. F. G. W. and T. plentiful.	Large village and tehsil.
22	<i>Abbottabad</i> <i>P. O., T. O., D. B., C. E.</i>	...	16	...	251	...	Good road metalled and bridged, ex- cepting large rivers.	.....	.....	4005	S. F. G. W. and T. ample.	Military Canton- ment, Civil Sta- tion, town, head- quarters of dis- trict Hazara.
23	<i>Sultanpur</i>	...	...	...	259	4	.....	.....	Dor ford	2700	.....	Halting place.
24	<i>Chamba B. C., E.</i>	...	...	...	261	4	.....	.....	.....	2610	S. F. G. after notice, W. from well, T. nil.	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.		TOTAL.							
		m.	f.	m.	f.						
LXI 22	ROUTE—contd.	...	...	261	4	Tonga service to Hassan Abdal.	.....	.....	1730	S. F. G. W. and T. plentiful.	Town, bazar, tehsil.
	Haripur	...	23	274	2		.....	.....	.....	S. F. G. after notice, W. from well, T. nil.	Halting place.
	P. O., T. O., B. B., C. E.	...	...	287	4		.....	.....	1600.	S. F. G. T. after notice, W. from well.	Small town and Station on N. W. Railway.
	Huttar	...	...	290	2		.....	.....	1690	S. F. G. W. and T. available.	Ditto.
23	Balartope	...	...	...	...	.....	.....	.....	1400		
	Kalake Serai	...	21	295	4	.....	.....	.....
	P. O., T. O., D. B., or Hassan Abdal	...	19	...	293	2	.....	.....	
	P. O., T. O., D. B., 1½ miles distant from Railway Station.										

way in supplies at Gilgit, Bunji, Chilas and Balakot—

From Chilas there is another more westerly route up the Botogah valley by Mati Shing and Philiat, and up the Philiat ravine over the Botogah pass to the Gittidas Creek and Lalusar Lake—about 6 miles longer than the Babusar route.

From the Kaghan valley there are several tracks over the dividing range or Kashmir border into the Kishengunga valley, those best known are:—

From Kotawai, up the Purbidia-ka-katta over the Siral gali and down this ravine into the Kankatori valley to Shardi on the Kishengunga.

From Seri, up the Julkhud-ka-katta over the Nari Nar pass and down this ravine to Surgan in the Kankatori valley.

From Burawai, a good path up the Jora-katta over the Chantari or Ratti gali and down the Oolari valley either to Kurigam or Doarian on the Kishengunga.

From Bhatta Kundi up this nala over the Tor gali into the Jagran valley and Drawar.

From Manaur are paths up this nala and its branches over the Shikara and Bichla passes into the Jagran valley and Drawar.

From Bhunja is a rough path over the Bhadri gali to Pala and Kuri.

From Ghanul another rough path over the Makra gali and down the Shalan valley to Kuri.

From Balakot is a road much used by traders over the Galoti gali into the Shalam valley to Kuri on the Kishengunga.

From Jalakot down Khagan valley by Bisyan to Garhi Habibulla is 12½ miles.

LXII GILGIT to DAREL.—Map.

	Gilgit	...	...	...	0	...	Good road to Naupur, where it turns westwards up the Kergah valley to its source. Very rough track to Jut.	.....	.....	.....	4890 (5025)	S. F. G. T. moderate, W. plentiful.	Military Cantonment, fort, town, bazar, residence of Political Agent, capital of province. Small village.
	<i>Naupur</i>	...	...	...	3 4	...	Up Kergah valley.	..... Shuku ford.	.....	.....	.....	.....	.....
1	Jut <i>Shaimuse Harai</i>	...	16	...	16	...	Fair road through beautiful country with green sward and pine forests to the head of the valley, where vegetation ceases, and the rugged hill sides are covered with piles of splintered rock.	.....	.....	.....	8900	S. and T. nil, F. G. W. plentiful.	Halting place.
2	Maja Mazne <i>Dati Harai</i>	...	7	...	23 26	...	.....	.....	.....	.....	.....	Ditto	Ditto.
3	Takorbas	...	7	...	30 34	...	Chonchar pass, across Khanbari valley.	..... .....	.....	.....	..... 14,000.	Ditto	Ditto.
4	Kalichunji	...	8	...	38	...	Kuli pass, down Barigah glen. Down Darel valley.	Khanbari ford	.....	.....	.....	Ditto F. scarce.	Ditto.
5	Yahchoth <i>Mankial</i> <i>Budan Kot</i>	...	16	...	54 59 63	...	Rough road, difficult in places.	.....	.....	.....	...	S. F. G. W. and T. moderate.	Small village and fort.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXII	<i>ROUTE—contd.</i>	...	63 ..						
6	Samakial or Dudokot	13 ...	67 ...	.....	.....	.....	.....	S. F. G. W and T. moderate.	Fort and chief place in Darel.
	<i>Phogij</i>	... ..	70 ...						
	<i>Gutah</i>	... ..	73 ...	.....	.....	.....	...	Ditto	Village.
7	Indus river	9 ...	76 ...	Right bank of Indus river.					

from Kalichunji 38 miles, there is a rough path down the Khanbari valley to the Indus river. In this valley are said to be minerals, which were once worked, hence the name.
 There is another track to Darel from Singal at mile 32 of Route LXIII, which turns southwards up the Singal valley and the Patare ravine over the Dodar gali to Yahchot, in length about 40 miles from Singal.

LXIII GILGIT TO CHITRAL by MASTUJ—*Reynon.*

Gilgit or Gilt <i>P. O., T. O., C. E.—</i>	...	...	0 ..	Six feet made road from Gilgit to Gupis, open throughout the year and passable for pack animals.	Up Gilgit valley right bank.	.....	4890) 5025 f	S. F. G. and T. moderate, W. plentiful.	Military Cantonment, fort, town, bazar, residence of Political Agent, and capital of province.
<i>Naupur</i>	...	...	3 ...		.....	Kergah bridge			
<i>Hinzel</i>	...	...	9 ...		.....	Heltar "	5150.		

1	Sharot E.—	...	18	...	18	...	It crosses fans' of alluvial soil at the mouths of streams where small villages are situated with orchards, gardens and cultivation around.	.....	.....	6000	Ditto	Small village.
	<i>Shikaitot</i>	...	...	...	19	...		.....	Shikaitot "			
	<i>Gulapur</i>	...	...	...	21	...		.....	Yasin rope bridge.	.....	.....	Fort and capital of Puniat.
	<i>Cherkala on left bank</i>	...	...	...	23	...		.....	
					25	...	.....	Called Yasin valley upwards.	Dalmati "	5800.		
2	Singal E.—	...	14	...	32	...	.....	.....	Singal "	6300	S. and T. nil, G. F. W. procurable.	Small village and fort.
	<i>Gulmati</i>	...	...	...	35	...	.....	.....	Gulmati "			
	<i>Gurjar</i>	...	...	...	38	...						
3	Gakuch E. below village at 6,600 feet.	...	10	...	42	...	Between such it crosses hill spurs varying in ascent and descent.	.....	.....	7170	S.F.G.W. procurable, T. moderate.	Ditto.
	<i>Aish</i>	...	...	...	44	...	.....	.....	.....	.....	.....	Junction of Ishkoman and Yasin rivers.
	<i>Hopar</i>	...	...	...	47	...		.....	
		...	...	...	51	...		.....	
4	Sumar E.—	...	13	...	55	...	.....	.....	Yangan " Sirogah bed.	.....	S. G. T. nil, F. W. procurable.	
	<i>Roshan</i>	...	...	...	62	...	.....	.....	Roshan bridge.			
		...	...	...	63	...	.....	.....	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
KLIII	<i>ROUTE—contd.</i>	...	...				
5	Gupis <i>E.—</i>	13	...	From Gupis country road improved and rendered passable for laden animals to Chitral.	Called Ghizar valley upwards.	..... Injarot bed. Khogah "	7400	S. G. F. W. procurable, T. moderate.	Small village and fort at junction of Ghizar and Wureshigan rivers.
6	Dahimal	17	...	..... ..... Bad pari & gallery	..... ..... .....	Dahimal rope bridge. Kachun bridge Sozat "	8200	S. G. T. nil, F. W. procurable.	Small village.
7	Pingal <i>E.—</i> <i>Darband</i>	10	...	Road from Pingal to Gasht always bad from snow between 15th December and 15th March; and the Shandur pass is usually closed for one month during this period.	Up Ghizar valley right bank. .. ..	..... Chashi bridge and ford. Bandar Lake Ghizar bridge.	9600 9800	S. and T. nil, F. G. W. procurable. Ditto	Small village. Ditto.
8	Chashi	10	...		Cross to left bank.	..... Teru ford. Chukhabut bridge.	10000	S. F. G. W. and T. moderate.	Ditto and fort.
9	Ghizar <i>E.—</i>	13	...	..... .. .. .....	..... ..... .....	..... Teru ford. Chukhabut bridge.	10000	S. F. G. W. and T. moderate.	Ditto and fort.

10	Langar	...	15	...	127	...	.....	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.	.....	Alternative route over high pass to Mastuj. Jungle.
					133	...	Easy ascent to pass	.....	.....	Chamarkand bridge.	.....	11000	.....
					138	..	Pass, long maidan of 3 miles and sharp descent.	.....	.....	Shandur pass down Woghtur ravine.	Shandur Lake	12,000.	.....
11	Laspur	...	10	...	143	...	.....	.....	.....	Down Lashpur valley.	.....	9800	.....	Hamlet.
					144	...	.....	.....	.....	.....	Laspur bridge.	.....	.....
					147	...	.....	.....	.....	.....	Harchin bed.	.....	.....
	<i>Rahman</i>	...	...	...	150	...	.....	.....	.....	.....	.....	.....	.....	Path across hills and down Golangol to Chitral.
12	Gasht	...	9	...	152	...	Road over large fan scored by several nalas with steep and narrow ramps.	.....	.....	.....	.....	9000	.....	Ditto.
	<i>hokalwat</i>	...	...	...	155	...	.....	.....	.....	.....	.....	.....	.....	First battle fought by Colonel Kelley with Pioneer Regiment and Kashmir Service troops against Chitrali force.
					159	...	.....	.....	.....	.....	Laspur bridge.	.....	.....	Fort and capital of Kushwakt.
13	Mastuj <i>P. O., E.—</i>	...	11	...	163	...	Road fair	.....	.....	Down Yarkhun valley right bank.	Yarkhun "	7760	.....	S. F. G. W. and T. procurable.
	<i>Nisa Gol</i>	...	...	...	169	...	.....	.....	.....	.....	.....	.....	.....	Second battle fought and defeat of Chitralis.
14	Sanoghar	...	9	...	172	...	Load good	.....	.....	Cross to left bank.	Yarkhun "	7600	.....	Village. S. and T. nil, F. G. W. procurable.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL m. f.						
XIII	<i>ROUTE—contd.</i>	...	...				
15	Buni	...	172 ...	Road good excepting short part opposite junction of Mulkho river and some bad places in Koragh defile. Road bad and narrow over stone shoots and <i>débris</i>.	..... Called Chitral river.	.....	6900	S. and T. nil. F. G. W. procurable.	Village. Junction of Turikho and Yarkhun rivers.
16	Reshun	...	12 ...	195 ...	.....	Reshun nala	6500	Ditto	Small village.
17	Barnas <i>E.—</i>	...	8 ...	203 ...	Cross spur	.....	7200	Ditto	Ditto.
18	Koghazi	...	13 ...	215 ... 216 ...	Road fair Road very bad and narrow especially 224 and 225 miles through narrow gorge with precipitous sides over kutchka galleries.	Barnas nala Guland Gol.	6100 5500	Ditto Ditto	Ditto.
19	Chitral <i>P.O., T.O., E.—</i>	...	12 4	227 228 4	Cross to right bank Chitral river.	Chitral bridge.	4980	S. F. G. W. and T. procurable.	Fort and capital of Kashkar. Residence of Mehtar of Chitral

From Chertkala opposite 23 miles on left bank of Gilgit or Yasin River, a track goes up this side by Babur 36 miles, junction of Ishkoman river 47 miles 6,600 feet, and up the Ishkoman valley by Chatorkand 63 miles, limit 78 miles 8,200 feet, Gazkul or Karambar Lake and Ishkoman pass either to Laggar or to Sarhad in Wakhan 138 miles. There are formidable glaciers on this route, which commence at 13½ miles from Imit and are passable only in winter when snow fills the crevasses. The Lake is about 2 miles long at the head of 2 valleys, Ishkoman southwards and Yarkhun south westwards. It is about 35 miles from Imit and about 25 miles from Sarhad across undulating ground covered with grass in summer. From Laspar 143 miles, there is a path southwards over the Tal pass and down the Panjkora valley by Tal and Shiringal to Dir.

LXIII. GUPIS to SARHAD in WAKHAN by YASIN and the DARKOT and BAROGHIL PASSES — *Littledale.*

5	Gupis E.—	...	...	68 ... 69 4	Rough road throughout, but passable for laden animals.	Up Wursli- gan valley along left bank to 78 miles where cross to left bank. .....	..... Yasin bridge. Wursligam bridge.	7409	S. F. G. W. procurable, T. moderate.	Small village and fort.
	<i>Gendai fort</i>	...	...	75 ... 78 ...						
6	Yasin E.—	...	15 ...	83 ...	.. ..	.....	.....	7765	S. F. G. W. and T. available.	Small town.
	<i>Barmas</i>	...	...	85 ... 90 ...	General direction northwards.	.....	Ditto.	...	Ditto	Fort.
7	Mir Wali's fort E.—	...	8 ...	91 ...	.. ..	.....	.....	...	Ditto	Fort.
	<i>Amchat</i>	...	...	95 ... 98 ...	.....	Cross to left bank.	Ditto.	...		
8	Darkot E.—	...	15 ...	106 ...	.....	.....	.....	9160	S. F. G. W. and T. moderate.	Village.
9	Camp at southern <i>foot of pass</i>	...	10 ...	116 ... 122 ...	Steep ascent and descent across snow field and glacier with many crevasses.	..... Darkot pass	.....	11050 15000	S. and T. nil, F. G. W. procurable.	Halting place. Closed until June.
10	Safer Bek E.—	...	15 ...	131 ...	Join road from Mastuj in Yar- khun valley.	Across head of Yarkhun valley.	Yarkhun ford	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XIIIa ROUTE.—contd.									
11	Zerkhar	15	146	Notable depression in Hindu Kush range 2 miles wide; easy access on both sides.	Barghil pass	.....	12460	..... S. and T. nil, F. G. W. procurable.	Hindu Kush range. Hamlet.
12	Sarhad E.—	7	153	Deep snow in December, January and February.	.....	.....	10450	S. F. G. W. and T. available.	Large village.

From Barmas 90 miles, a rough path westwards by Nalti over the Tui or Mo-shabar pass 14,700 ft. to Kila Darband in Yarkhun valley 3 marches, from Darrkot 106 miles, a difficult path eastwards over dividing range by Ishkoman to Imit in the Ishkoman valley 3 marches.

XIIIb MASTUJ to SARHAD in WAKHAN by BAROGHIL PASS—(Approximate) R. G. S. Journal, Robertson's Map.

13	Mastuj <i>P. O., E.—</i> <i>Chapri</i>	... ..	163 ..	Rough track northwards passable for laden animals, though difficult in places.	Up Yarkhun valley.	.....	7760	S. F. G. W. and T. procurable.	Fort and capital of Kushwakht.
14	Brep	13 ..	176 ..	.....	.....	.....	.....	S. and T. nil, F. G. scanty, W. plentiful	Village.
15	Miragram	10 ..	186 ..	.....	.....	.....	.....	Ditto	Ditto.
17	Kila Darband <i>E.—</i>	14 ..	200 ..	Eastern track from Yashu by Tui pass and Gazan joins here.	.....	.....	.....	S. F. G. W. and T. moderate.	Village and fort.

	Topkhana Ziabeg	10 ...	210 ...	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Halting place.
19	Safer Bek <i>E.—</i> <i>Chitral and Badakshan Frontier.</i>	22 ...	232 ...	Ascent to summit 3 miles gentle gradient, plateau 5 miles called Dasht-i-Binghil rich pasturage, descent 3 miles gentle slope and stage 3 miles beyond — Dasht is 2 to 4 miles wide covered by deep snow in December, January and February.	.....	.....	Ditto	Ditto.
20	Zerkhar or Pirkhar ...	14 ...	247 ...	Baroghil pass	.....	12460	.....	Hindu Kush range
21	Sarhad in Wakhan <i>E.—</i>	7 ...	254 ...	.....	Panjford	10450	S. F. G. W. and T. available.	Large village.

At Sarhad the east and west road used in winter from Sarikol through Wakhan to Badakshan is joined. This starting from Tashkurgan, the capital of Sarikol, 10,250 feet, has the choice of two routes to Gombaz-i-Bozai. *Firstly*, southwards by Zerishit 20 miles, Kurghan-i-Ujaddah 20 miles, then westwards across the Tagdumbash Pamir by the Karachunkar pass 65 miles and descends to Gombaz-i-Bozai 110 miles. *Secondly*, westwards from Tashkurgan up rocky stream to Kanschub 12,930 feet 16 miles, up open valley to Nezataash pass, 14,915 feet 26 miles, descent to Kogachak 12,740 feet 26 miles, and Aktash (white stone) on Aksu river, 12,600 feet 41 miles; thence south-westwards up the Aksu valley through the Pamir Khurd (Little) by Onkul 12,900 feet 65 miles, to Oikul or Gakzul Lake 13,100 feet 94 miles, the source of the Aksu river, 3 miles long by 1½ mile broad; thence descending the open Panj valley mostly along right bank to Gombaz-i-Bozai 12,530 feet 97 miles, where large stream joins in from the east Khajrui pass 16,150 feet, Langar 115 miles, over Laraz Dawan 10,780 feet through open gravelly plain to Sarhad 10,450 feet 140 miles, highest village in Wakhan. Travellers must take supplies for the through journey 8 marches either at Tashkurgan or Sarhad. In winter the Panj river is frozen over and can easily be crossed when required, in summer this river is in flood, and a higher route is taken over many spurs, involving much up and down. Grazing is plentiful and wood fuel procurable; the northern hill side being covered with juniper and birch trees.

From Sarhad 140 miles, westwards down Panj valley along either bank to Patuch or Fatur, 10,350 feet 145 miles, large village and hot spring 160° Nist 150 miles, Dehigolaman 160 miles, Yur 10,010 feet 163 miles, Yost 178 miles, Sas 183 miles, Zun 193 miles, at the junction of the river from the Victoria lake 13,900 feet (which is the road used in summer through the Great Pamir from Kila-i-Panja to Kogachak on the Aksu river and Tashkurgan) Kila-i-Panja 9,150 feet 196 miles, the residence of the Chief of Wakhan.

From Kila-i-Panja down the Panj valley along the left bank south-westwards over a ridge to Zetak 290 miles, and down the Vard-i-j valley to Faizabad 3,500 feet 372 miles, the capital of Badakshan.

From Kila-i-Panja turns northwards to Kila Wamur.

From Iskhakshim, the main road continues westwards over a ridge to Zetak 290 miles, and down the Vard-i-j valley to Faizabad 3,500 feet 372 miles, the capital of Badakshan.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
1	Chitral P. O., T. O., E.—	...	0	Rough and stony brittle road, lately improved, from Chitral through to Malakund and passable for all laden animals.	Down Kunar valley left bank.	.....	4980	S. F. G. W. and T. procureable.	Fort, bazar and capital of Kash Kar.
	Broz	...	10	.....	.....	.....
	Gairat	...	15	.....	.....	.....
2	Kila Drosh P. O., T. O., E.—	25	25	.....	.....	Shisht bridge	4500	Ditto	Village and Mil- itary fort.
	Ashreth E.—	13	38	.....	.....	.....	6430	S. and T. nil, F. G. W. procureable.	Village.
	Gujur Minga	...	43	.....	Lowarai pass	.....	10450		
		...	50	Steep ascent and descent over the Lowarai pass.	.....	.....	8400		
		...	51	.....	.....	.....
3	Dir P. O., T. O., E.—	22	60	.....	Down Panjkora valley left bank.	.....	5650	S. F. G. W. and T. moderate.	Small town.
		...	67	.....	.....	.....
4	Chutiatur	7	74	.....	.....	Panjhora bridge.	.....	S. and T. nil, F. G. W. available.	Small village.
5	Darora or Gundi- gar.	13	80	.....	.....	.....	.....	Ditto	Ditto.

XIIIc CHITRAL to NOWSHERA—(Approximate.) *Maps.* Youngusband, Hamilton, Newman.

	Chitral P. O., T. O., E.—	..	..	0	Rough and stony bitter road, lately improved, from Chitral through to Malakund and passable for all laden animals.	Down Kunar valley left bank.	.....	4980	S. F. G. W. and T. procurable.	Fort, bazar and capital of Kash Kar.
1	Kila Drosh P. O., T. O., E.—	..	25	15 22 25	.....	.....	Shisht bridge.	4500	Ditto	Village and Mil- itary fort.
2	Ashreth E.—	..	13	38	.....	.....	.....	6430	S. and T. nil, F. G. W. procurable.	Village.
	<i>Gujur</i> <i>Mirga</i>	..	..	43 50 51	Steep ascent and descent over the Lowarai pass.	Lowarai pass	.....	10450		
3	Dir P. O., T. O., E.—	..	22	60	.....	Down Panjkora valley left bank.	.....	8400		
		..	..	..	.....	.....	.....	5650	S. F. G. W. and T. moderate.	Small town.
4	Chutiatur	..	7	67	.....	Panjikora bridge.	.....	.....	S. and T. nil, F. G. W. available.	Small village.
5	Darora or Gundi- gar.	..	13	80	.....	.....	.....	.....	Ditto	Ditto.

XIII CHITRAL to FAIZABAD in BADAKSHAN—(Approximate) R. G. S. Journals. Maps.				LXIII CHITRAL to KILA-I-PANJA.			
By DORA PASS 14,800 ft.				By RICH or OCHIL 18,400 ft. PASSES.			
19	Chitral 4,980 ft. <i>Shali at junction of Shogoth and Kunar rivers.</i>	...	228½ 234	19	Chitral 4,980 ft.	...	228½
20	Shogoth 7,230 ft. <i>Up Lutka valley.</i>	...	245	18	Koghazi <i>Guland Gol Mori</i>	...	12½ 216 215 211
21	Darosh	...	259	17	Barnas <i>Perpish Gol.</i>	...	13 203
22	Lutka, large village	...	275	18	Lun <i>Gurkir Jani</i>	...	10 213 215 221
23	Shah-i-Shalim <i>Hot spring Eastern foot.</i>	...	287	19	Kila Drasan 8,640 ft. <i>Up Turikho valley.</i>	...	12 225
24	Camp, Western foot, Sulphur Mine.	...	293		Stari	...	233
25	Gazikistan	...	299	20	Rain	...	16 241
26	Sanglich 9,300 ft. <i>Grass range.</i>	...	309	21	Ujnu	...	13 254
27	Yekdak	...	319	22	Ruah <i>Rich or Janali Pass 16,700 ft.</i>	...	16 270 285
		...	339	23	Kala Yust <i>On Ab-i-Panja left bank</i>	...	30 300

28	Tibi <i>Cross Kokcha river.</i>	...	14	353	28	Chakaran <i>Cross Vardoj bridge.</i>	...	18	353	24	Kila-i-Panja 9,050 ft.	...	24	324
29	Jirm 4,800 ft. <i>Cross hill range.</i>	...	16	369	29	Khairabad	...	14	367					
30	Deh-i-Nao	...	14	383	30	Faizabad 3,500 ft. <i>Capital of Badakshan.</i>	...	20	387					
31	Faizabad 3,500 ft. <i>Capital of Badakshan.</i>	...	16	399										
<div> <div>ALTERNATIVE ROUTE FROM.</div> <div>Down Gogardasht valley.</div> </div>														
26	Sanglich	...	...	319	23	Darband	...	...	268	23	Ruah <i>On the Pass 18,400 ft.</i>	...	...	270 285
27	Iskitul	...	16	335	24	Camp, Eastern foot <i>Nakhan pass 18,560 ft.</i>	...	12	280 286	24	Khandut <i>On Ab-i-Panja left bank.</i>	...	30	300
28	Zebak, small town 8,550 ft.	...	9	344	25	Camp, Western foot	...	12	292	25	Kila-i-Panja 9,050 ft.	...	20	320
29	Zarkhan	...	8	352	26	Daigul	...	12	304					
30	Bazgiran <i>Sardab pass.</i>	...	8	360										
31	Ishkashim Fort 8,560 ft. <i>On left bank Ab-i-Panja.</i>	...	8	368										

ANOTHER ROUTE FROM.

ALTERNATIVE ROUTE FROM.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						

XIV GILGIT TO YARKAND and KASHGAR by HUNZA and SARIKOL—

(Approximate.) Map. Knight, Conway, Trotter, Cumberland, Dunmore.

Between Gilgit and Hunza, there are bridges over the Kanjut or Hunza river at Dainyor, near Nomal, beyond Gwech, 2 miles beyond Chalt below Gulmit, at Pisan, at Tushot, and at Samaya, also over the Nagar river below Nagar. There is a route along either bank of the Kanjut river, that usually taken is as under:—

1	Gilgit	...	...	0	...	...	...	4890	S. F. G. and T. moderate, W. plentiful.	Town, fort, and capital of Gilgit province. Residence of Political Agent.
	<i>P. O., T. O., C., E.</i>	...	...	4	...	...	...
	<i>Pulche</i>	...	...	9	4	...	...	
	Nomal	...	18	18	...	...	...	5500	S. F. G. and T. scanty, W. plentiful.	Fort and village.
	<i>E.—</i>	...	...	19	...	...	...
2	<i>Gwech on left bank</i>	...	...	25	...	...	...
	<i>Chaitchar parri</i>	...	...	30	...	...	...
	Chalt	...	16	34	...	...	...	6120	S. F. G. and T. moderate, W. plentiful.	Fort, village and fields.
	<i>E.—</i>	...	...	36	...	...	...

<i>Nilt</i>	...	37	4	After crossing steep ridge, road traverses a succession of fans, cut by several deep and precipitous nalas; road fair, though stony, passable for laden animals.	spur from Rakipushi mountain.	.....	7000	.....	Strong fort stormed in Hunza campaign.
<i>Thol</i>	...	45	...	.....	...	8 deep nalas crossed hence to Tushot.	.....	.....
3 Gulmit	...	47	...	.....	.....	.....	6400	S. F. G. and T. scanty, W. plentiful.	Fort and village.
<i>Pisan Tushot</i>	...	52	4	.....	Cross to right bank for Hunza.	Kanjut bridge.	6980	Ditto	
4 Phakar	...	57	4	.....	.....	.....	7480	Ditto	
<i>E.—Askordas Samaya</i>	...	59	4	.....	.....	.....	.....	.....
<i>5 Nagar</i>	...	64	...	.....	Junction of Nagar and Kanjut rivers.	Kanjut bridge.	7790	S. F. G. T. W. plentiful.	Town, fort and capital of Nagar. Residence of Thum of Nagar.
<i>E.—Or crossing Kanjut river either at Tushot or Samaya.</i>	...	66	4	.....	.....	.....	.....	.....
5 Hunza or Baltit	...	72	4	.....	Road rough and stony to Gulmat, passable for laden animals.	Up Kanjut or Gugal valley.	8000	Ditto	Town, fort and capital of Kanjut. Residence of Thum of Hunza.
	13	4	73	...	...	...	...	...	...

From Nagar there is a cross path to Hunza about 9 miles in length, crossing both Nagar and Kanjut rivers.

From Hunza, the track continues northwards up the Kanjut valley to Pisan, at the junction of the Shimsal and Gugal rivers. One path goes eastwards up the former valley to the Shimsal pass 1700 feet, and descends into the Opiang valley, another path goes northwards up the Gugal valley and leads to several passes over the Hindu Kush.

N. W. up the Irshad tributary valley by R ship Jead and Ueda over 2 passes to Langar and Gombaz-i-Bozai in the Pamir Khurd of Wakhan.

N. up the Gugal valley over the Kalik pass to Tashkurgan in Sunkul as under.

N. N. E. up a side ravine over the Mintaka pass 14,200 feet, and down by Chadartash and Mazar Said Hassan to Tashkurgan.

N. E. up another side ravine over the Kunjerab pass and down by Mazar Said Hassan to Tashkurgan.

There is deep snow on all these passes from November to March, and a glacier 1½ mile long is crossed over the Mintaka pass. They are free of snow in summer and practicable for laden mules and camels.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXIV	<i>ROUTE—contd.</i>								
	<i>Altai</i>	..	77 ..						
	<i>Mahomedabad</i>	..	80 ..						
6	Atabad	..	88 ..	.....	.. ..	.. ..	.. ..	S. F. G. and T. scanty, W. plentiful.	Village and fort.
7	Gulmat	..	97 ..	Road fair from Gulmat to Pasu.	.....	.....	.....	S. F. G. and T. scanty, W. plentiful.	Ditto and cultivated fields.
8	Pasu	..	105 ..	Road through country bare of vegetation, crosses a large glacier shortly beyond Pasu. At mouth of grand gorge, winter route along bed of river, summer route over parri spurs. Arduous march to Misgar over huge parris, ever up and down.	Up Gujral valley.	Shimshal ford	8000	S. F. G. and T. moderate, W. plentiful.	Village and fort.
9	Khaibar	..	115 ..		.....	.....	.....	S and T. nil, F. G. scanty, W. plentiful.	Hamlet.
10	Gircha	..	125 ..		.....	Cross Gujral river, numerous fords, deep and difficult.	8750	S. F. G. & T. scanty, W. plentiful.	Village.
11	Misgar	..	137 ..		.....	.....	10200	Ditto	Hamlet.
12	Murkush	..	150 ..	Early easy ascent and descent over stony downs on both sides of pass.	.....	.....	.....	S and T. nil, F. G. scanty, W. plentiful.	Halting place.
			159 ..		Kilik pass, down Wakh-	.....	15600		

13	Kukturuk nala ...	18	...	168	...	.....	ir valley.	.....	14000	Ditto	Track west up Wakhjir valley over Khajrui pass 16,150ft and down Ak Bilis valley to Bozai Gombaz about 50 miles.
				178	...	.....	.....	.....	.....	.....	Track north over Paik pass to Ak-tash 50 miles.
14	Mintaka nala ...	20	...	188	...	Track south over Mintaka pass into Kanjut.	.....	.....	13000	Ditto	Kirghiz encampment.
	<i>Chadirtash</i> ...	0	0	204	...	.....	.....	.....	.....	.....	Ditto.
15	Kurghan-i-Ujad bai ...	22	...	210	...	Stony road down the Taghdumbash Pamir to Tashkurgan.	Down Taghdumbash valley.	.....	12000	Ditto	Old fort near junction of Kunjerab river, road south up latter to pass.
16	Camp ...	16	...	226	...	.....	.....	.....	.....	S. F. T. nil, G. scanty, W. plentiful.	Halting place.
17	Tashkurgan ...	16	...	242	...	Road along plain to Chushman.	Down Tashkurgan valley.	...	10250	S. F. G. and T. moderate, W. plentiful.	Small town and fort and capital of Sarikul.

Hence are 3 routes, first northwards to Kashgar by Clushman and Tagharma to Little Karakul Lake west of Tagharma and Mustagh Ata peaks, thence north eastwards down the Uluart valley and through the Gez denies, by Tashbulik and Borakatai about 208 miles, or 450 miles from Gilgit.

The second route to Yangi Hissar (midway between Kashgar and Yarkand) as described below.

The third route diverges from Chehil Gombaz 312 miles on second route eastwards to Yarkand, down the Ch'ar'ung valley to Kizil Aylzai 6,300 feet, at junction of the Kiaz river 350 miles, then up the latter over the Kara Dawan 9,590 feet 260 miles, and the Kizil Dawan 9,480 feet 267 miles, across the Shaitan-i-gum desert to Yakarik 4,630 feet 422 miles, and through cultivated country to Yarkand 3,923 feet 452 miles.

On each of these three routes, there are variations, which are adopted according to the season, condition of snow in the passes, state of river floods, &c.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXIV	ROUTE.—contd.								
	<i>Timef</i>	...	242						
18	Chushman	10	252	Rough and stony road up ravine and over pass.	Up Karabalak gien.	.....	10100	S. F. G. and T. scanty, W. plentiful.	Village.
19	Chichiklik plain	16	264 ... 268 ... 277	Road across plain 5 miles, steep ascent and descent over pass of loose and slipping stones.	Kokmainuk pass. Yambulak pass.	..... Toilobolong Lake.	15300. 16000.	S. and T. nil, F. G. scanty, W. procurable.	Halting place.
20	Toilobolong	18	286	Rocky road down ravine, steep and narrow in places over boulders.	Down Toilobolong ravine.	.....	.....	Ditto	Ditto.
21	Past Robot	13	299	Fair road in valley, very steep ascent and descent over pass, through large rocks.	..... Torak pass	Tangitar ford.	9280 13130.	S. and T. nil, F. G. procurable, W. plentiful.	Hamlet.
22	Chehil Gombaz	13	307 ... 312 ... 318	Steep and rocky ascent and descent.	..... Kaskam pass, down Kinkol valley.	Charlung ford	10500 12930.	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
.XV ROUTE.—contd. 72 4										
From Nagar to Hunza 9 miles, the direct route crosses the Nagar river by a rope bridge, the Daung pass 9,200 feet at 2½ mile, and the Kanjut river at 7 miles by a rope bridge.										
Between Nagar and Hispar there are two more paths, one up the Nagar and Hispar valleys, about 25 miles, the rest by Hopar are longer. The following is chiefly taken from "Climbing in the Himalayas" by Sir W. M. Conway.										
6	Hopar (Ratal) ...	6	4	79	..	Road from Nagar to Hopar good.	.....	9220	S. F. G. W. and T. moderate.	Group of 5 villages.
	Holshal ...	...	...	80	...					
	Borpu ...	...	...	85	...	Hence to Hispar very rough, crosses several side nallas and glaciers and an intervening ridge.	...	10990	S. and T nil, F. G. scanty, W. plentiful.	Halting place.
7	Paipering Maidan ...	11	...	90	...					
				93	..	Rash ridge up Nagar valley.	Nagar bridge	8620.		
	Arpi Harrar ...	...	...	96	...	.....	Ditto	9300.		
	Darapo ...	...	...	101	...					
		...	...	103	...					
		...	...	105	...					
8	Hispar ...	16	...	106	...	After crossing the Garumbar nala, the track ascends along left bank	Garumbar bridge.	10320	S. F. G. T. scarce, W. plentiful.	Village.
	Chokutens ...	...	...	112	...		.....	11770	.....	Stone huts.

	<i>Gander</i>	...	..	...	...	of Hispar valley crossing grassy declivities, several side nalas and glaciers from the south, gravel slopes and stony moraines to Haigutum, whence it turns due south up this side glacier, crosses the latter zig-zag up snow field and avalanche slopes over steep snow mound 500 feet above and east of col.	.....	.....	13070.	S. and T. nil, F. W. G. available.	Halting place. Ditto.
9	Magorum	...	12	...	118	...	...	.....	.....	.....	.....
	<i>Chiring</i>	...	..	...	...	...	...	.....	.....	.....	.....
10	Haigutum or Hyon Kuru	...	13	..	131	...	Up Haigutum side glacier.	.....	13880	Ditto	Ditto.
		...	..	...	139	...	Nushik La.	.....	17300	.....	Open only in June, July and August. Ditto 4 huts.
11	Stiatbu Brangsa	...	12	...	143	...	Down Kero Loongma glacier, keeping generally along right bank.	.....	.....	S. F. G. T. nil, W. from snow.	Ditto.
	<i>Ding Brangsa</i>	...	..	...	147	...	.....	.....	...	S. and T. nil, F. G. W. procurable.	Ditto.
12	Kutche Brangsa	...	10	..	153	..	.....	.....	10000	S. F. G. W. and T. moderate.	Village at foot of glaciers. Another road down left bank, crossing Braldo river and by Kashimal to Shigar.
13	Arundo E.—	...	16	...	169	...	Junction and mouth of Kero Loongma and Chogoma Loongma glaciers.	.....	.....	.....	.....
		...	..	...	178	...	Down Braldo valley right bank.	.....	.....	.....	.....
14	Chutrun B.—	...	20	...	189	..	.....	Hot Springs	.....	S. and T. scanty, F. G. W. plentiful.	Junction of Basho and Braldo rivers.
	<i>Tisar</i>	...	..	...	193	..	Down Shigar valley right bank.	.....	8227	.....	.....
		...	..	...	197	..	Difficult parri with 3 ladders and logs.	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL m. f.						
LXV	<i>ROUTE.—contd.</i>	...	197 ...						
15	Youskil	15 ...	204 ...	Road from Youskil to Shigar along sandy reaches, passing several villages.	.....	.....	.....	S. F. G. W. and T. moderate.	Large village.
16	Shigar <i>E.—</i>	16 ..	220 ...	.....	Cross to left bank.	Skin raft across Shigar river.	7640	S. F. G. W. and T. plentiful.	Small town.
17	Skardu <i>P. O., T. O., C., E.—</i>	14 ...	224 ...	.....	.....	Indus ferry	7400	S. F. G. W. and T. abundant.	Town and capital of Baltistan.

LXVI GILGIT TO HANLE BY INDUS VALLEY—Old Route. Map. Conway. Wachtmeister.

	Gilgit <i>P. O., T. O., C., E.—</i>	...	0 ...	} See Route LVIII.	.....	...	4890	S. F. G. W. and T. moderate.	Fort, town and capital of Gilgit province. Residence of Political Agent.
14	Skardu <i>P. O., T. O., C., E.—</i>	...	144 ...		Up Indus valley left bank.	.....	7400	S. F. G. W. and T. abundant.	Fort, town and capital of Baltistan. Head-quarters of

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XVI	<i>ROUTE—contd.</i>	...	300 ..						
19	Kartaksho or Khurmang	12 ..	203 4	From Kartaksho to the Hannu cho the road is very rough and difficult, crossing many spurs and parris abutting on the Indus, involving steep ascents and descents.	Cross to right bank	Indus rope bridge, Gavis cho.	8340	S. F. G. W. and T. available.	Large village and fort on right bank.
	<i>Palpado</i>	...	208 ..		.....	Goondi cho	.....	S. and T. scanty, F. G. W. available.	Village opposite Tarkuta.
20	Hamzigund	16 4	220 ..		.....	Gannoks cho.	...	Ditto	Village.
	<i>Marol</i>	...	223 4		.....	Gargri cho	...	..	Between Ourdas and Sanacha on left bank great gorge of Indus.
21	Grugurdo	18 ..	238 ..		.....	Barorow cho	.....	Ditto	Ditto.
	<i>Ourdas</i>	...	243 ..		.....	Dah cho.	.....	
22	Garkhun	10 ..	248 ..		.....	Phindoor cho.	.....	
	<i>Dah</i>	...	251 ..		.....	Hannu cho	.....	S. and T. nil, F. G. W. procurable.	Hamlet.
	<i>Phindoor</i>	...	254 ..		.....		
23	Nubibranskar or Lower Hann	16 ..	264 ..	From Hannu cho to Leh the road is	.....			

24	<i>Achinathang</i> Skirbichan <i>E.—</i>	...	...	14	...	270	...	fair throughout and passable for laden animals.	...	...	Broglow cho. Kirbuchand cho.	.....	S. and T. scanty, F. G. W. procurable.	Village.
	<i>Doomkhar</i>	...	...	...	...	284	...	.....	...	...	Doomkhar cho.	.....	.....	Fort and bridge over Indus river.
25	Khalsi <i>B.—</i>	...	16	...	...	294	...	Road through bar- ren country, pass- ing long mani mounds.	.....	...	Skining cho	10000	Ditto	Village.
26	Nurla <i>B., E.—</i>	...	6	...	...	300	...	Good road passable for laden animals.	Up Indus valley right bank.	...	Phocha Drokpoo	...	S. F. G. W. and T. moderate.	Ditto.
27	Saspul <i>B., E.—</i>	...	14	6	...	314	6	New wooden bridge built over Indus river. Hence are two	...	...	Saspul Drokpoo	.....	S. and T. nil, F. G. W. available.	Small village and gonpa, cultivated basin.
	<i>Bazgo</i>	...	...	...	...	322	2	roads to Bazgo, take side valley	...	...	Bazgo "	11050	S. F. G. W. and T. procurable.	Large village.
28	Nimu <i>B., E.—</i>	...	11	4	...	326	2	N.-E. passing nu- merous clortens and inscribed	.....	...	Suemo "	.....	S. F. G. W. and T. moderate.	Small village.
	<i>Phayang B.</i>	...	...	...	...	337	2	rocks over plateau crossed fertile side valley of	.....	...	Lunachmo Foo.	.....	S. and T. nil, F. G. W. procurable.	
	<i>Pitak</i>	...	...	...	...	340	2	Bago along stony slope to Nimu; evidence stony de- sert to Phayang, where flowing	.....	...	.....	10500	.....	Village and Monas- tery.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE	m.	f.						
LXVI	<i>ROUTE—contd.</i>	...	...	340	4					
29	Leh <i>P. O., B., C., E.—</i>	18	2	344	4	... ..	.....	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak.

From Leh, there are routes on both sides of the Indus river to Hanle, and there are wooden bridges at Shushot, Marshalang and Yugu, which are passable for laden animals; also at Hemiya and Tirido, at the mouth of the Tiri ravine from the south. Above Mahiye opposite the mouth of the Puga river, the Indus is generally fordable.

30	Tikray <i>Tunglaska</i> <i>Opposite Marshalang</i>	13	...	357	4	Good road from Leh to Yugu. If transport of pack animals, cross Indus by Marshalang bridge and proceed by Puga road.	..... ..... .....	11000	S. F. G. W. and T. plentiful.	Large village and Monastery, where there is a Skooshok or Mahatma.
31	Yugu	16	4	374	...	Footmen only can carry loads over	.....	.....	S. F. G. W. and T. procurable.	Village.
32	Shera	11	...	385	...		.....	.....	Ditto	Ditto.

<i>Ikpa</i>	...	...	388	...	the precipitous parris or cliffs of the Rong defile between Hemiya and Mahiye.	.....	Ikpa ravine.	...	S. T. moderate, F. G. W. plentiful.	Ditto.
<i>Likche</i>	...	...	392	...		.....	Tugla "	...		
Hemiya	...	14	399	...		Cross to left bank.	Indus bridge	.....	
<i>Kyungyum on right bank</i>	...	...	404	...	Fair road from Yugu to Hemiya with exception of 2 spurs between Ikpa and Likche, with stone steps.	Cross to right bank.	Ditto	.....	...	Month of Tiri foo.
<i>Tirido on left bank</i>	...	...	406	...		.....	.....	.....	Ditto	Small village.
Gaik	...	14	413	...		.....	Kumdok foo.	.....	
<i>Kumdok</i>	...	...	416	...		.....		.....
<i>Eketka</i>	...	...	421	...	Rough road between Hemiya and Mahiye with many ascents and descents over spurs. The worst part is about half way between Gaik and Ni in	.....	Nia foo	.....	Ditto	Ditto.
Gni	...	13	426	...		.....	Kaiser foo	.....	
	...	...	430	...		.....	Yeh foo.	.....	
	...	...	438	...		.....	Hot Spring.	.....	
Chumathang	...	13	439	...		.....	Chumathang foo.	.....	Ditto	Ditto.
	...	...	451	...	rounding a projecting spur with awkward precipices.	.....	That foo	.....	...	Tso. Yahe Lake 3 miles up this valley.
Mahiye	...	14	453	...	From Mahiye where the Indus valley opens out, the road along the plain to Nowi is fair.	.....	Mahiye foo	13800	S. T. F. G. nil, W. available.	Hamlet.
<i>Itakarur</i>	...	...	461	...		.....	Polalung foo.	.....	
	...	...	466	...		.....	Nima foo.	.....	
Nima Mød	...	16	469	...		.....	Gochin foo	14000	S. and T. nil, F. G. W. procurable.	Two small villages.
	...	...	470	...	.....	.....	Gochang foo.	.....	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXVI	ROUTE.—contd.	...	470	...					
39	Nowi	10	479	...		Indus ford	13900	S. and T. nil, F. G. W. procurable.	Halting place. Village.
	<i>Rhongo</i>	...	486	...	Cross to left bank up Hanle valley by left bank.	...	...	...
40	Chumik	14	493	...	...	Chumik ravine	.....	Ditto	Ditto mouth of ravine.
	<i>Mankhang plain</i>	...	500	...	...	.....	.....	.....	Above Chibra village.
41	Sango plain	14	507	...	...	Sangoisang	.....	Ditto	Halting place.
42	Hanle <i>E.—</i>	14	521	...	.....	.....	14276	S. F. G. W. and T. moderate.	Village, large monastery and thana.

LXVII LEH TO HARDWAR by TSO MORARI LAKE, SPITI and MASURI—

	Leh <i>P. O., B., C., E.—</i>	...	0	...	Fair road from Leh to Puga, passable for pack animals, yaks chiefly employed.	Up Indus valley along right bank.	...	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak.
1	Tikze <i>E.—</i>	...	12	...	...	.....	Sabufoo	11000	S. F. G. W. and T. plentiful.	Large village and monastery.

<i>Tunglasha</i>	...	...	...	16 24	4 4	Between Hemiya and Kramang are precipitous parris and cliffs, which can be avoided by taking one of the routes up Tiri valley.	.....	Nang foo. Chimre foo.	.....	S. F. G. W. and T. procurable.	Village.
2 Yugu E.—	...	16	4	28	4	...	.....	Yugu foo	.....	Ditto	Ditto.
3 Shera E.— <i>Likhe</i>	...	11	4	40 43 47	...	...	.....	Shera foo Ikpa foo. Tugla foo.	.....	Ditto	Ditto.
4 Hemiya on left bank E.—	...	14	...	51 54	...	Road along both banks of Indus river to Tirdo.	Cross to left bank.	Indus bridge. Indus "	.....	S. T. moderate, F. G. W. plentiful.	Ditto.
<i>Tirido</i>	...	...	...	62	...	.....	Cross to right bank.	Indus ford	.....	.....	Mouth of Tiri foo.
5 Gaik on right bank E.—	...	14	...	68	...	.....	.....	.....	..	Ditto	Small village.
<i>Kumdok</i> <i>Khatpa Thambo</i>	...	...	...	71 73	...	.....	.....	Kumdok foo. Khatpa Thamba foo	.....	.....	Path over Kiari La to Tsokar Chumo lake. Ditto.
6 Kiare on left bank...	...	7	...	75	...	Road along both banks Indus river to Kramang.	Cross to left bank.	Indus ford	.....	S. T. nil, F. G. W. plentiful.	Ditto.
<i>Gni on right bank</i>	...	...	...	81	...	.....	.....	Nia foo	.....	.....	On right bank op- posite. Hamlet.
7 Kramang bank.	...	14	...	89 99	...	Leave Indus and ascend Kidmang foo ravine over Sildat La into the Puga valley and across two hills ranges to the Tso Kiagr.	Sildat La.	Indus ford	.....	Ditto	Village, hot springs, sulphur mines, borax fields.
8 Puga E.—	...	16	...	105 109 111	...	...	Nakpogeding La.	Puga ford ... Zobashi she foo.	15200 18000.	S. G. T. scarce. F. W. plentiful.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XVII ROUTE—contd.									
9	Shak sang <i>Peldo.</i>	...	...	...	...	Tso Kiagr.	.....	.....	Lake 1 mile east.
		...	13 ...	118 ...	.....	.....	.....	S. and T. nil, G. F. W. available.	
		124	Along west- ern shore of Tso Morari lake.	Tso Morari	.....	.....	North end of lake.
10	Karzok <i>E.—</i>	...	11 ...	129 ...	Along western shore of Tso Mo- rari.	Ditto	14900	S. and T. scanty, G. F. W. available.	Village and monas- tery.

From Tirido 62 miles, a route branches off south-west up the Tiri valley by Tiri 66 miles, to Staznema foo 72 miles, where it forks out up two ravines; the more western track ascends over the Shing bul La and descends southwards along the west side of the Tso kar plateau to Pongo Nagu 86 miles, and along western shore of Tso kar chumo lake to Rigul 94 miles on south side of lake. Hence southwards to Narn chan 106 miles, whence south eastwards over the Karum La 108 miles and down the Nugma foo to Nugma Ninda 119 miles, and then over the Karzok La 128 miles to Karzok 136 miles.

The more eastern track from Staznema foo 72 miles goes up the other ravine over the Thasang La 76 miles and descends to the same plain on the east side to the Thugg Gondpa 86 miles; thence by Knaugur on eastern side of the Tso kar chumo lake up the Pola Konka foo to Zukti 99 miles, and over the Polakonka La 16,300 feet 102 miles by Nakpo goding 109 miles, over the Nanak La 111 miles, and Lanak La 116 miles, to Shaksang 119 miles, on Tso Kiagr plain, Peldo 125 miles, and Karzok 130 miles.

Another track from Polakonka La 102 miles goes down the Puga valley to Puga 114 miles, and onwards to Mahiye 127 miles, where cross Indus by ford to right bank 13,800 feet. F. G. nil.

Another track from Puga to Nima Mud on the Indus is 12 miles in length.

11	Kiangdom E.—	...	14	...	143	...	Road fair to Narbu Sumdo.	.....	.....	14900	S. F. T. nil, G. W. scanty, lake water brackish.	South end of Tso Morari lake.
12	Narbu Sumdo	...	11	...	146 154	...	Road fair to Du- tung crossing many spurs and ravines.	..... Up Parechu or Parang valley, right bank.	Phirse foo. Parechu ford	15300	S. F. T. nil, G. W. procurable.	
13	Thukrote Undung	...	...	...	156	...	.....	.....	.....	...	S. T. nil, F. G. W. available.	Halting place.
14	Dutung E.—	...	12	...	184	...	.....	.....	.....	16000	S. T. nil, F. G. W. procurable.	Ditto.
15	Jughtha E.—	...	10	...	189 194	...	Steep ascent and cross glacier, de- scend rocky and abrupt, impass- able for horses.	Parang La down Spiti valley.	.....	18300 16000	Ditto	Ditto.
16	Kiwar E.— Ki	...	12	...	205 206	...	..... ...	.....	Parlung bi ford.	13400	S. F. G. T. moderate, W plentiful.	Large Village.
17	Kaja E.— Lidang	...	...	...	211	...	...	.....	.....	.....	.....	Monastery.
18	Dankar E.—	...	12	...	215 218	...	Road undulating and in part stony to Dankar.	..... .....	Shilla ford.	.....	Ditto	Small Village.
19		...	16	...	226 234	...	If travelling the reverse way take supplies here and at Kiwar to last until Puga.	...	.....	12774	S. F. G. T. and W. plentiful.	Large Village and Monastery. Capital of Spiti.
		...		...	239	...	.....	Up Pin valley left bank.	Spiti bridge.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXVII ROUTE—contd.									
19	Sunam <i>E.—</i>	...	239 ...	Fair road through sterile valley.	Cross to right bank.	Pin ford Kyokti ford.	.....	S. F. G. T. moderate, W. plentiful.	Large Village.
20	Munth <i>E.—</i>	8 ...	260 ...	.....	.....	.....	.....	S. and T. scanty, F. G. W. plentiful.	Small Village.
21	Baldur	13 ...	273 ...	.....	.....	... ..	.....	S. and T. nil, F. G. W. plentiful.	Hamlet.
22	Lursa	9 ..	282 ...	Ascent to pass very steep and stony near summit, descent easier. .....	.....	..	.....	Ditto	Halting place.
23	Pustirang <i>Muling</i>	10 ..	287 ... 292 ...	..... Road through fine forest of firs.	Rhabe pass Down Blabeh Wangar valley.	..... .....	15000.	Ditto, F. nil	Ditto.
24	Yangpa	12 ...	304	Descent from Yangpa to Wangtu very steep.	.....	.....	.....	S. and T. scarce, F. G. W. plentiful.	Village where scorpi- ons abound.
25	Wangtu <i>E.—</i>	12 ...	316 ...	Cross Hindustan and Thibet road.	Cross Sutlej valley.	Sutlej bridge	5361	Ditto	Supplies from Sarhan.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXVII ROUTE—contd.									
35	Jitar	...	403 ..	Road from Simla to Masuri joins here.	.....	Tonse bridge at Tiuni.	.....	S. F. G. W. and T. available.	Below junction of Pabar and Tonse rivers.
		8 ...	411 ...						

From this point there appear to be two roads to Chakrata, one the forest route goes to Maindrot F.B., 416 miles, Katyan F.B., 426 miles on summit of Jakni Lena pass, Lokar F.B., 432 miles, Manali F.B., 436 miles, Deoband F.B., 445, and Chakrata D.B., 452 miles, which is 2½ miles beyond cantonment. The other ordinary route is as under :—

36	Kanda	...	10 ...	421 ...	Fair road for pack animals.	.....	.....	S. F. G. W. and T. moderate.	Small village.
37	Bandraoli	...	11 ...	432 ...	.....	.....	.....	Ditto	Ditto.
38	Deoband	...	10 ...	442 ...	.....	.....	9000	Ditto	Ditto, Forest head quarters.
39	Chukrata <i>P.O., T.O., D.B., C., E.</i>	...	7 ...	449 ...	.....	.....	7000	S. F. G. W. and T. plentiful.	Military cantonment and bazar.

From Chukrata there is a road southwards to Saharunpore, passable for carts, 81½ miles long: the stages are Karbeah 9 miles, Saiah B., 9 miles, Kalsi B., 12½ miles (where a suspension bridge over river Jumna) cross Asan river, Futhipur B., 10½ miles, over Timli pass of Siwalik range, Badshah Bagh 12 miles, Kalsea B., 14 miles, Saharunpur, N. W. Railway Station, D.B., 14½ miles.

40	Shevalia D. B.— <i>Nagtal B.</i>	...	11	...	460	...	Bridle road pass- able for laden animals down hill to the Jumna and thence up hill to Masuri.	Along moun- tain ridge, crossing the Jumna river.	..... .....	..... .....	S. F. G. W. and T. moderate.	Small village. On summit of ridge.
41	Lakwar D. B.—	...	11	...	471	...	.....	.....	.....	Ditto	Ditto	Ditto.
					475	...	.....	.....	Jumna bridge, iron suspen- sion.	.....	.....
					480	...	.....	.....	.....	.....	.....	Kempli falls.
42	Masuri P. O., T. O., <i>Hotels</i> , C., E.—	...	15	...	486	...	Good bridle road passable for laden animals down hill to Rajpore.	.....	.....	{ 6590 } { 7133 }	S. F. G. and T. abundant, water supply limited.	Military and Civil Sanitarium, con- valescent depot.
	<i>Rajpore</i> <i>Hotels</i>—	...	...	...	493	...	Cart-road metalled hence to Dehra and Saharunpore.	.....	.....	2996	S. F. G. W. and T. moderate.	Large village.
43	Dehra P. O., T. O., <i>Hotels</i> , C., E.—	...	14	...	500	...	Earthen cart-road to Hardwar, very rough in places, crossing stony beds of rivers.	Through Eastern Dun.	.....	2347	S. F. G. W. and T. abundant.	Military Canton- ment, Civil Sta- tion, Town, Bazar, head-quarters of district.
44	Lachiwala B.—	...	11	4	511	4	.....	.....	.....	1680	S. and T. nil, F. G. W. available.	Hamlet.
					519	...	.....	.....	Suswa bridge.			
45	Kunsrao B., F., B.—	...	8	4	520	...	.....	.....	.....	1360	Ditto	Forest head-quar- ters.
					527	...	.....	.....	Motichoor ford.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
LXVII ROUTE—contd.									
46	Hardwar P. O., T.O., Canal B., C., E.—	...	527 ..	Situ- ated on right bank of Ganges river, where it is- sues through the Siwalik hills.	....	.....	1050	S. F. G. W. and T. abundant.	Town, bazar, bath- ing ghats, cele- brated place of pilgrimage.
		11 ..	531 ..						

LXVIIa SPITI TO HARDWAR by GANGES VALLEY and MASURI—

18	Dankar E.—	...	...	234	...	Down Spiti valley left bank.	12774	S. F. G. W. and T. procurable.	Village, fort and monastery. Capi- tal of Spiti.
19	Pokh	...	9 5	237 ...	...	...	.....	.....	Road to Manirang pass. Village.
20	Tabo	...	6 5	243 5	...	...	.....	Ditto	
	Lari	...	...	250 2	...	Road stony, cross- ing high spurs at both ends of stage.	...	S. and T. very scarce, F. G. W. available.	Hamlet and mo- nastery.
		...	...	253 ...	...	...	...

21	Somra	...	8	1	258	3	Road fair, easy ascent and descent over pass.	Cross to right bank. Lepcha ghat cross to left bank.	Spiti ford Spiti bridge .....	..... 13628. 10272	Ditto S. F. G. W. and T. procurable.	Village on right bank of Spiti river. Fort. Large village on left bank Spiti river.
22	<i>Shalkar</i> Chango <i>E.—</i>	...	...	...	263 269 ...	4...	.....	.....	.....	.....	.....	.....

Another track starts from Peldo at the north end of the Tso Morari Lake 124 miles down the eastern shore to Lunk Serma 136 miles; thence eastwards crossing Chagarchan La 145 miles, to Ooti 149 miles, whence southwards along the Tegasung plain to Chunar 165 miles 14,600 feet, and down the Parachu valley to Chepzi 177 miles, on the border of Chinese Thibet, entering which Kyuntsang 185 miles, Chagya Sumdo 197 miles, Zampa 205 miles, Karak 212 miles, Sunyal 227 miles, are passed and crossing the border again into British territory, Kuri 238 miles, crossing Parachu river at Shugar by natural bridge of rock to Changrezing 249 miles, and over Changrang La to Chango 257 miles.
From Somra 258 miles 3 furlongs, another track follows down the Spiti valley to Huling 264 miles, and crossing the Parachu by the rock bridge at Shugar 274 miles, to Changrezing 280 miles, and Chango 288 miles.

23	Naku	...	10	...	282	...	Road fair along course of Spiti river.	.....	.....	11975	S. and T. scarce, F. G. W. available.	Small village on left bank Spiti river.
24	Lio	...	4	...	284	4	Road commences by a steep zigzag and is then fairly level.	Cross to right bank. .....	.....	9600	S. F. G. W. and T. procurable.	Village on right bank Spiti river.
25	Hangu <i>E.—</i>	...	8	...	294	...	Easy ascent to and descent from pass, crossing streams several times.	...	.. ..	11500	S. and T. scarce, F. G. W. available.	Small village.
26	Sungnum	...	12	...	300	...	.....	Hungerang pass. .....	.....	14530.	.....	.....
					306	...	.....	.....	.....	9020	S. F. G. W. and T. procurable.	Large village, monastery.

There is a more direct track from Dankar 234 miles, by crossing the Spiti river to Mani 242 miles, by Sopona Lake 246 miles, the Manirang pass 18,600 feet 253 miles, and down the Thanam valley to Pamachang 260 miles, Rupa 269 miles, and Sungnum 276 miles. This pass is, however, very high and covered by snow; through supplies and coolies necessary.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL						
		m.	f.						
LXVIIa, ROUTE—contd.									
27	<i>Nabang E., good</i>	...	306	...	.....	Thanam bridge.	14354.		
	Labrang		307	4	.....	.....	10000.		
	<i>E., bad, stony on slant</i>	14	...	...	Runang pass.	.....		S. and T. scarce, G.	Village.
	<i>Koka</i>	...	320	...	Down Sutlej valley right bank.	.....		F. W. available.	
		...	322	...	Road rough but passable for laden animals.	.....	9000		
28		...	326	...	.....	Taitu bridge.			
			327	...	Present terminus of Hindustan and Thibet road.	.....	9000	Ditto	Ditto, copper prayer wheel.
	Jangi	11	...	...	Road passes through immense blocks of granite, and through deodar forest.	.....			Vines grow here.
	<i>B.—Akpa</i>	...	335	...		.....
		7	...	...	Road level for 2 miles, then steep ascent followed by steep descent and level for 3 miles to Pangi	.....		
29	Rarang		338	...	Cross to left bank either at Rarang by wooden bridge or at Poari by	.....	9068	Ditto	Village, bridge over Sutlej connects with road on left bank.
	<i>E.—</i>		343	...	Jhula bridge.	Kozang bridge.			

30	Pangi <i>B.—</i>	...	8	...	346	...	Here leave Hindustan and Tibet road, steep descent to the Sutlej river, cross Jhula bridge and ascend by Poari to Barang.	.....	.....	8950	S. F. G. W. and T. procurable.	Ditto, pilgrim shrine on Piri peak 14,000 feet.
31	Poari	...	7	...	353	...	Steep ascent followed by level to Meibar, ascend to pass, then rough descent into Baspa valley.	.....	Sutlej Jhula bridge.	.....	Ditto	Ditto.
32	Barang <i>Meibar</i>	...	10	...	363	...	At Sangla road from Kilba joins and goes up the Rupin pass into the Tonse valley.	.....	.....	.....	S. and T. scanty, ditto.	Ditto.
33	Sangla <i>Rakcham</i>	...	16	...	379	...	Road from Sangla through Chitkul and Suanchcho to Nithal very rough, crossing many spurs and ravines.	Balkart spur. Up Baspa valley right bank. ....	.....	12000.	S. F. G. W. and T. available.	Ditto, take supplies here for onward journey to Derali.
34	Chitkul	...	16	...	395	...	.....	.....	.....	11400	S. and T. nil, F. G. W. available.	Hamlet highest in valley.
35	Suanchcho	...	10	...	405	...	.....	.....	Baspa bedforded several times.	13900	Ditto	Halting place.
	<i>Dunti</i>	...	...	...	413	...	.....	.....	.....	.....	.....	Large plain.
36	Nithal	...	14	...	419	...	At Nithal junction of 2 valleys, eastwards over Gugurang pass into Tibet, southwards over Neela pass, ascend glacier and steep	.....	.....	.....	Ditto	Ditto.
		...			427	...	Neela pass	.....	.....	18000.		
37	Karkuti	...	18	...	437	...	.....	.....	.....	.....	Ditto	Hamlet.
		...			450	...	.....	.....	Blagirati bridge.	.....	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXVIIa ROUTE—contd.									
38	Derali B.—	... ..	450 ...	snow field to summit, descend 2 miles to stream and along latter to Karkuti, follow same stream to the Bhagirati river.	.....	... ..	...	S. and T. scanty, F. G. W. available.	Village.
At 450 miles join the Forest road in Ganges valley. The route upwards from Derali goes to the Jangla F. B., 457½ miles; thence crossing the Jad Gunga or Nilang river from the Nilang pass, above its junction with the Bhagirati, the road ascends the latter valley to Gangotri temple 10,150 feet 472 miles, and to Gau Mukh 16,000 feet 488 miles, at the mouth of the great Gangotri glacier. Take supplies at Derali.									
The route down the Ganges or Bhagirati valley from the Ganges bridge at 450 miles is as under:—									
39	Hurai	... ..	450 ...	Road good but narrow.	Down Ganges or Bhagirati valley on right bank.	Bhagirati bridge.	8200	.....	Mr. Wilson's bungalow.
	Jala B. C., E.—	... ..	452 4	.....	.....	.....	8200	.....	Village. From Jala to Batwari, river confined in narrow gorge.
	Suki	... ..	456 ...	.....	Suki bridge	.....	8800	S. scarce, F. G. T. W. available.	
			465 ...	Route to Jumnotri via Bandarpunch.					

40	Dangala	...	11	...	467	...	.....	.....	Cross Bhagirati 3 times by bridge. Bhagirati bridge. Sulphur springs. Bhagirati bridge. Ditto.	6500	Ditto	Ditto.
	<i>Barsi</i>	...	...	...	473	...	.....	.....	
41	Batwari <i>F. B., E.—</i>	...	...	...	476	...	Road to Junnotri	.....		5300	Ditto	Ditto.
42	Moneri <i>B.—</i>	...	12	...	479	...	.....	.....	.....	4600	S. nil, F. G. T. W. procurable.	Ditto.
	<i>Kota Forest bungalow.</i>	...	...	...	499	...	.....	.....	.....
43	Barahat	...	11	...	501	...	.....	.....	.....	3900	S. F. G. T. W. available.	Ditto, Hindu temples.
44	Dhunda	...	12	...	513	...	Road to Kedarnath.	.....	.....	3400	S. and T. nil, F. G. W. plentiful.	Small village.
45	Darasu <i>F. B., E.—</i>	...	9	...	522	...	.....	.....	.....	3300	Ditto	Village.
	<i>Thona</i>	...	...	...	524	...	.....	.....	.....	3100	S. available	Ditto.
		...	...	...	527	...	Leave forest road and go across hills S. W. to Masuri.	.....	.....	4000	S. F. G. W. and T. available.	
46	Laluri <i>E.—</i>	...	9	...	531	...	.....	.....	.....		Ditto	Fine view of snowy range.
	<i>Mauranah</i> <i>E.—</i>	...	...	...	538	...	Road fair, crossing many spurs and crest of hill.	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XVII. ROUTE—contd.									
47	Bhala E.—	...	538 ...	.....	Cross Aglar valley.	.....	5700	S. F. G. W. and T. available.	
48	Phedi E.—	12 ...	553 ...	.....	.....	.....	.....	Ditto	Village.
	Suskotli	...	558 ...	Join here Masuri and Tiri road.	Along mountain ridge.		7000	.....	Convalescent depôt.
	Landaur	...	564 ...	.....	.....		6500	S. F. G. W. and T. abundant.	Hill Sanitarium.
49	Masuri P. O., T. O., Hotels, C., E. Rajpore, Hotels	14 ...	567 ...	.....	Down hill to Dun.	.....		Ditto	Military Cantonment and Civil Station.
50	Dehra P. O., T. O., Hotels, C., E.	14 ...	581 ...	Join here cart-road through Dehra to Hardwar.	Through Eastern Dun.	.....	2150	Ditto	Chief place of pilgrimage in Northern India. Terminus of branch from Oudh and Rohilkhand Railway.
53	Hardwar P. O., T. O., D. B., C., E.	31 ...	612 ...	...	.....	...	965	Ditto	

The Forest road continues from 527 miles to Chanu 533 miles 2,700 feet, Kaliasera 544 miles 4,200 feet, Baur 552 miles 4,700 feet, Kandia Gali B., 559 miles 6,800 feet, Kana Tal 565 miles 8,000 feet, Dhanauti B., 573 miles 7,600 feet, Jalki 582 miles, Masuri 589 miles 6,500 feet. From 542 miles, there is a direct road to Turi, the capital of Gurhwal, and a path hence down the Bhagirati valley to Deopriyag, junction of the Aluknanda river, and hence down the Gauges valley to Hardwar.

LXVIII LEH TO SIMLA by SPITI—

	Leh <i>P. O., B. C., E.—</i>	...	...	0	
1 to 25	Wangtu <i>E.—</i>	...	...	316	...

See Route LXVII by Tso Moriri Lake and Spiti to the Sutlej valley, where the Hindustan and Thibet road is joined. Take supplies from Leh to Dankar, and from Dankar to Sarhan.

From Wangtu upwards this road goes along the right bank of the Sutlej by Chagaon 7 miles, Urni B., 9 $\frac{1}{2}$ miles 7,900 feet, Rogi B., 20 miles, 9,361 feet, Chini 23 miles 9,196 feet, Paugi B., 30 miles 8,950 feet, Harang 38 miles 9,068 feet, Akpa 41 miles, Jangi B., 45 miles 9,000 feet, end of road 49 miles, whence rough hill track continues by Kola 54 miles, Labrang 56 miles 9,006 feet, Tabang 58 miles, Runang pass 63 miles, 14,354 feet, Thanam bridge 69 miles, Sungnum 70 miles 8,000 feet, Shaso 74 miles, Charling La 80 miles 14,600 feet, Pvoi 90 miles 10,000 feet, bridge over Sutlej river 91 miles, Dubling 95 miles, Khalb 100 miles, Nangsea 101 miles 10,000 feet, Nangsea Dogri 103 miles, cross two ridges of Kung ma La 108 miles 15,500 feet, to Shipki 112 miles 10,000 feet, a large Tartar village on the frontier of Chinese Thibet.

From Wangtu, after crossing the wooden bridge over the Sutlej river, this road continues down the left bank of the Sutlej valley as under :—

	Wangtu <i>B.—</i>	...	...	316	...	Good road 6 feet wide bridged throughout and passable for laden animals.	Down Sutlej valley left bank.	.....	5361	S. and T. scarce, F. G. W. plentiful	Supplies from Sarhan.
25											
26	Nachar <i>B., E.—</i>	...	3	319	...	.....	.....	.....	7125	Ditto	Hamlet.
27	Paunda <i>B.—</i>	...	4	323	4	.....	.....	.....	6124	Ditto	Ditto.
28	Taranda <i>B.—</i>	...	4	325 328	...	..... Through fine deodar and elm forest	..... Bridge.	.....	7015	Ditto	Ditto in Kunawar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXVIII ROUTE—contd.									
	Manaspur	...	328 ...	.....	.....	Bridge.			
		...	329 ...	.....	.....		
	Dralli Cliffs	...	330 ...	.....	.....		
		...	336 ...	.....	.....		
29	Sarhan B—	14 ...	342 ...	.....	.....		6713	S. F. G. W. and T. moderate.	Large village in Bissahir.
			345 ...	Upper forest road through Soongri branches off here.	.....			
			347 ...	.....	.....		
30	Gaura B—	10 4	352 4	Regular road descends through Gaura to Rampur.	.....		6512	S. and T. scarce, F. G. W. plentiful.	Village.
31	Rampur P. O., D. B., C.—	6 4	359 ...	Good road bridged throughout and passable for laden animals.	Down Sutlej valley left bank.		3870	S. F. G. W. and T. plentiful.	Town and capital of Bissahir State. D. B. one mile north of city.
	Rampur City—	...	360 ...						
32	Nogri	13 ...	372 ...	.....	.....	Nogri bridge	.....	S. and T. scanty, F. G. W. available.	Hamlet.
			377 4	.....	.....	Muchara "			
33	Nirit	7 ...	379 ...	.....	.....	.....	3660	Ditto	Ditto.
			381 ...	.....	.....	Dera "			

34	Kotgarh <i>P. O., D. B.—</i>	...	10	...	389	...	.....	High level road joins in here, whence excellent road 10 feet wide fully bridged to Simla.	.....	.....	5600	S. F. G. W. and T. plentiful.	Tehsil, Mission Station and tea gardens.
35	Nagkunda <i>P. O., D. B.—</i>	...	10	6	399	6	.....	.....	.....	.....	8700	S. F. G. and T. moderate, W. scarce.	Small bazar.
36	Matiana <i>P. O., D. B.—</i>	...	11	..	410	6	.....	.....	.....	.....	7690	S. scanty, F. G. W. and T. available.	Village.
37	Theog <i>D. B.—</i>	...	11	2	422	...	.....	.....	.....	.....	7420	S. F. G. T. procurable, W. scanty.	Hamlet.
38	Fagu <i>P. O., D. B.—</i>	...	5	6	427	6	.....	.....	.....	.....	8170	S. F. G. W. and T. moderate.	Ditto, Road to Chor Peak and Masuri branches off here.
	<i>Pokri bazar</i>	...	...	...	431	4	.....	.....	.....	.....
	<i>Mohasu neck</i>	...	...	...	433	6	.....	.....	.....	.....
	<i>Mashobra toll bar</i>	...	...	...	436	4	.....	.....	.....	.....
	<i>Tunnel</i>	...	...	...	438	...	.....	.....	.....	.....
	<i>Sangoli bazar</i>	...	...	...	437	6	.....	.....	.....	.....
	<i>Lukha bazar</i>	...	...	...	439	2	.....	.....	.....	.....
39	Simla <i>P. O., T. O., Hotel, C.</i>	...	12	...	439	6	.....	Carriage road metalled and bridged from Simla to Kalka. Tonga Service.	.....	.....	7200	S. F. G. and T. abundant, W. scanty in dry season.	Sanitarium and summer capital of India. Town, large bazar. Palace of H. E. the Viceroy of India.
	<i>Kiarighat</i>	...	...	...	455	6	.....	.....	.....	.....
	<i>D. B.—</i>	...	...	...	470	6	.....	.....	.....	.....
	Solon <i>P. O., T. O., D. B., C., E small—</i>	...	31	...	470	6	.....	.....	.....	.....	5000	S. F. G. W. and T. available.	Village and bazar, small cantonment and brewery.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
LXVIII ROUTE—contd. ...									
	Dharanpur D. B —	...	470 6						
	Kalka P. O, T. O, D. B., Hotel, C., E.—	27 ...	497 6	Hence by rail to Umballa.	.....	.....	2200	S. F. G. W. and T. plentiful.	Large village and terminus of branch railway from Delhi and Umballa. Large Military Cantonment and Civil Station.
	Umballa	39 ...	536 6	.....	.....	.....	1040	.....

At 345 miles another or high level road ascends the Manglad stream which it crosses by a bridge at 348 miles, gradual ascent through forest scenery by Moshun 351 miles, to Darun B., 356 miles; thence by Tola 360 miles and Nogri bridge 363 miles to Tach lech F. B., 366 miles, ascends through fine forest to crest of ridge 371 miles, then level to Bhali B., 376 miles, continues through fine forest to Soonghi B., 386 miles, situated on the ridge where the road from Rampur crosses the neck and descends into the Pabar and Tonso valleys; thence along the ridge to Kudreli F. B., 395 miles, Bagi D. B., 404 miles, and through fine forest under Hatu Pir 11,000 feet, to Nagkunda D. B., 416 miles, where rejoin regular Hindustan and Thibet road.

LXIX LEH TO SIMLA by RUPSHU and SPITI—

Leh <i>P. O., D. B., C., E.—</i>	Road heavy, but passable for laden animals, yaks	Up Indus valley, cross to left bank.	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak. Take
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXIX	<i>ROUTE—contd.</i>	...	99	...	...	Crossed 3 streams.	.....	S. F. T. nil, G. W. available.	Camping ground.
7	Sumkyil <i>E.—</i>	23	111	...	...	.....	16600		
8	Sumdu <i>E.—</i>	20	131	.....	Lachalung La. Up Tsarap valley.	.....	.....	Ditto	Ditto.
	<i>Gian</i>	...	139	.....	.....	.....	.....	.....	Junction of Tsarap river.
		...	148	.....	.....	Tsarap ford	.....	.....	Bridge 4 miles off.
9	Sarchu Lingti <i>E.—</i>	20	151	...	Up Yunnan valley.	...	...	Ditto	Ditto.
	<i>Phalang Danda</i>	...	155	...	...	...	.....
10	Kilang <i>E.—</i>	11	162	...	Long and easy ascent to pass.	...	.....	Ditto	Ditto.
		...	165	...	.....	Yunan Tso	.....	.....	Lake
		...	174	...	Bara Jacha pass, down Chandra valley left bank.	.....	16200		

11	Topo <i>E—</i>	..	18	..	180	..	Road rough and difficult.	.....	Chandra nala	.....	S. and T. nil, F. G. W. available.	Ditto.
12	Topo Koma <i>E—</i>	..	9	..	189	..	.....	.....	.....	.....	Ditto	Ditto.
13	Chandra Dul	..	14	..	203	..	.....	.....	Sum Chikma lake.	.. ..	S. and T. nil, F. G. W. available.	Camping ground.
14	Lichu	..	10	..	210	..	.....	Kunzam pass. Down Spiti valley right bank.	.. ..	14930	.....	Ibex ground.
15	Lusar <i>Hansi</i>	..	9	..	222	..	.....	Cross to left bank	.....	.....	Ditto	Ditto.
16	Kioto	..	10	..	232	..	.....	Road good along high table-land.	Spiti ford	13395	S. F. G. W. and T. moderate.	Village.
17	Hal	..	11	..	243	..	.....	Cross to right bank.	.....	.....	S. and T. scanty, F. G. W. procurable.	Small village.
18	Rangrik <i>Kaja</i>	..	10	..	253	..	.....	Road good along high table-land.	Gyundi ford	.....	S. F. G. W. and T. procurable.	Junction of Lagudarsi river.
19	Lidang	..	12	..	265	..	.....	Cross to left bank.	Spiti bridge	.. ..	Ditto	Village.
		..	..	..	257	..	.....	.....	.....	.....	Ditto	Ditto.
		..	..	..	271	..	.....	Cross to right bank, up Pin valley on left bank.	Spiti bridge.	.....	S. and T. scarce, F. G. W. available.	Junction of Pin and Spiti rivers.
		..	..	..	273	..	.....	.....	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
LXIX	<i>ROUTE—contd.</i>								
20	Sunam	...	273	....	...	Parachu bridge.	....	S. F. G. W. and T. moderate.	Large village.
	<i>Tijang</i>	16 ...	280 ...	....	....	Pin "	....	
		...	281 ...	....	...	Ditto.	....	
21	Muth	8 ...	285 ...	Road fair up wide shingly bed of Pin river.	....	Ditto	....	S. and T. scanty, F. G. W. available	Small village.
	<i>Buldur</i>	...	289 ...	....	....		....
22	Lyrsa	22 ...	302 ...	....	....		....	S. and T. nil, F. G. W. plentiful.	Halting place.
		...	311 ...	....	....		....
23	Ptiasa	12 ...	323 ...	...	Bhabeh pass. Down Sutlej valley.	....	15000	S. F. T. nil, G. W. plentiful.	Ditto.
	<i>Mulling</i>	...	327 ...	...	....	....	....	S. and T. nil, F. G. W. plentiful.	Ditto.
24	Yangpa	10 ...	333 ...	....	....	....	....	S. and T. scarce, F. G. W. procurable.	Village
	<i>Wangtu R.—</i>	...	345 ...	Join Hindustan and Thibet road to Simla.	Cross to left bank.	Sutlej bridge	5361.		

25	Nachar B., E.—	...	15	...	348	...	.....	.....	.....	7125	S. and T. scarce, F. G. W. plentiful.	Supplies from Sar han.
29	Rampur P. O., D. B., E.—	...	40	...	388	...	See previous Route	LXVIIIa between Stages	25 & 39.			
33	Nagkunda P. O., D. B., E.—	...	41	...	429	...	.....	.....	.....	8700.		
37	Simla P. O., T. O., Hotels, C. E.—	...	40	...	469	...	Carriage road bridged and me- talled from Simla to Kalka. Tonga service.	.....	.....	7300.		
	Solon	...	31	...	500	...	By Delhi-Umballa and Kalka Rail- way.	.....	.....	5000.		
	Kalka	...	27	...	527	...	.....	.....	.....	2200.		
	Umballa	...	39	...	566	...	.....	.....	.....	1040.		

LXX LEH TO SIMLA by LAHOUL and KULU—

	Leh P. O., D. B., C., E.—	...	...	...	...	...	Road heavy, but passable for laden animals.	.....	.....	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak. Take supplies to Kail- ling.
1	Chushot B., E.— Hemis	...	12	...	12	...	.....	Up Indus valley, cross to left bank.	.....	10500.	S. F. G. W. and T. plentiful.	Village, much culti- vation.
2	Machalong B., E.—	...	13	...	23	...	Road sandy with a few green patches.	.....	.....	.....	.....	Monastery.
		...	...	...	25	...	.....	.....	Shang bridge.	.....	Ditto	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXX	ROUTE—contd.								
3	Upshi E.— <i>Mirā</i>	13 ...	25 ...	.....	Up Gya ravine	.. ..	.....	S. F. G. W. and T. moderate.	Village.
4	Gya E.— <i>Tarnat</i>	18 ...	53 ...	Steep and stony ascent and descent over pass.	.....	.. ..	13500	S. and T. nil, F. G. W. available.	Camping ground.
5	Debring E.—	19 ...	72 ...	.....	Tagalung La. Down Debring ravine.	.....	17500.	Ditto	Ditto.
6	Zara E.—	7 ...	79 ...	Road sandy along wide valley.	Down Zara valley.	.....	.....	S. F. T. nil, G. W. available.	Here leave route to Lachalung La. Tartar camp.
7	Sangtha	14 ...	93 ...	.....	.....	.....	.....	Ditto	Ditto.
8	Loon	9 ...	102 ...	Road through river gorge.	Up ravine	.....	...	Ditto	Ditto.
9	Takh	18 ...	120 ...	.....	Marang La. Up Tsarap valley.	.....	.....	S. and T. nil, F. G. W. available.	Hamlet.

10	on toon nu E.— Gian	...	9	...	129	...	.....	.....	Hot spring. .....	.....	S. F. T. nil, G. W. available.	Camping ground.
		...	...	...	133	...	Junction of road from Lachalung La.	.....	Tsarap ford	.....	.....	Bridge higher up river.
		...	...	...	143	...	.....	.....	.....	.....	Ditto	Ditto.
11	Sarchu Lingti E.— Phalang Danda	...	16	...	145	...	Road easy and level.	.....	Up Yunan valley.	.....	Ditto	
		...	...	...	148	4	.....	.....	.....	.....
12	Kilang E.—	...	11	...	156	...	Long and easy ascent to pass.	.....	Yunan bridge	.....	S. F. T. nil, G. W. available.	Ditto.
		...	...	...	159	...	.....	.....	Yunan Tso Lake.	16200.		
		...	...	...	165	...	.....	Bara Lacha pass.	.....	.....
		...	...	...	167	...	Road good down hill.	.....	Suruj Dul Lake.	.....	
		...	...	...	171	...	.....	.....	Bhaga bridge.	.....	Ditto	Ditto.
13	Zing Zing bar E.— Tapachand	...	17	...	173	...	.....	.....	.....	13060.		
		...	...	...	175	...	.....	.....	.....	.....
14	Patsio C.—	...	9	...	182	...	Road fair and pass- able for laden animals.	Down Bhaga valley right bank.	Bhaga bridge	12464	S. T. F. nil, G. W. plentiful.	Fair held here for Kulu, Lahoul and Thibetan traders. Village.
15	Darcha	...	9	...	191	...	Road level and good, but very dusty all the way to Kailing.	.....	.....	10844	S. F. G. W. and T. moderate.	
		...	...	...	192	...	.....	.....	Kada Tokpo bridge.	.....	
16	Kulang	...	10	...	201	...	Winding road down hill.	.....	.....	.....	Ditto, F. scarce	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
LXX	RQUTE—contd.	...	201 ...						
17	Kailing or Kar- dang. P. O., B.—	13 ...	314 ...	Road good and easy with many ups and downs. Shady from wil- low trees planted for 4 miles from Kailing.	Up Chandra valley right bank.	Bhaga bridge ...	10100	S. F. G. W. and T. moderate.	Capital of Lahoul, Moravian Mission.
18	Gundla B., E.—	12 ...	226 ...			2 hill torrents bridged.	10300	S. F. G. W. T. available.	Village.
19	Sisu E.—	9 ...	235 ...			Sisu bridge, 5 hill torrents crossed by bridges. Chandra bridge.	9938	S. F. and T. scarce, G. and W. procurable.	Small village.
20	Koksar B., E.—	13 ...	248 ...	Ascent and de- scent of pass very steep, very cold and high wind after 9 A.M.	.....		10260	S. F. and T. scanty, G. and W. plentiful. ...	Village.
			253 ...		Rotang pass. Down Beas valley right bank.		13500		This stage 14 miles long by regular mule road.
21	Rahla	10 ...	258 ...	Good road through lovely scenery all the way to Sul- tanpur, passable for laden animals and studded with tea and fruit gardens.			9000	S. and T. nil, F. G. W. available.	Hamlet.
	Pulchun	...	261 ...		.....	Solung bridge.			
	Burna E.	...	263 ...		.....	.....	.....	S. and T. available	Village on plain.

22	Manali B., E.—	...	10	...	268 277	...	...	...	Manali bridge— Kuish	.....	.....	Ditto.
23	Katrain B., E.—	...	13	...	281	...	...	...	Dobi	4723	S. F. G. W. and T. available.	Village.
24	Sultanpur P. O., D. B., E.—	...	12	...	285 287 293	...	...	...	Raison Bandrol Beas	4092	S. F. G. W. and T. plentiful.	Capital of Kulu. Town, bazar, tehsil and police thana.
25	Bajaora B., E.—	...	9	...	298 302	...	...	...	Ditto	3573	S. F. G. W. and T. procurable.	Small bazar and old ruined fort.
	<i>Badool</i>	...	...	...	305	...	...	...	Kandi	.....	.....	.....
26	Larji B., E.—	...	12	...	314	...	...	...	Beas	.....	.....	.....
		...	...	...	316	...	...	...	Synj Chata	.....	Ditto after notice	Hamlet at junction of Synj and Chata rivers.
27	Manglaor B., E.—	...	8	...	322 324	...	...	...	Ditto	3710 5718	S. F. G. W. and T. moderate.	Small village.
	<i>Plach P. O.—</i>	...	...	...	325	...	...	...	.....	.....	.....	.....
28	Jibi	...	9	...	331	...	...	...	Ditto	5860	Ditto after notice	Large village and tehsil Small village.
		...	...	...	338	...	...	...	.....	10600.	.....	.....
29	Kot B., E.—	...	11	...	342	...	...	...	Jalaori pass. Down Arni valley.	7750	S. F. G. W. and T. moderate.	Ditto,
30	Chowai B.—	...	9	...	351	...	...	...	Arni bridge	6162	S. F. G. W. and T. plentiful.	Cluster of villages.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m.	TOTAL. m. f.						
LXX	<i>ROUTE.—contd</i>	...	351 ...						
31	Dularsh <i>P. O., B.—</i>	...	356 ...	Road uphill to pass, lovely views.	Cross spur, descent into Sutlej valley.	.....	.....	S. F. G. W. and T. moderate.	Village.
32	Komarsen <i>B.—</i>	8 ...	359 ...	Long drop down to the Sutlej bridge 2 hours by pagdandi, similar climb up by short cut on south side.	.....	Sutlej bridge	2650	.....	Called Lori.
33	Nagkunda <i>P. O., D. B.—</i>	9 ...	368 ...	.....	.....	.....	.....	Ditto	Large village.
34	Muttiana <i>P. O., D. B.—</i>	7 ...	375 ...	Long ascent up- hill to join Hin- dustan and Thi- bet road, in excel- lent order along the mountain ridge to Simla.	Leave Sutlej valley and follow top of mountain range to Simla.	.....	8700	S. F. G. and T. moderate, W. scarce.	Small bazar.
35	Theog <i>D. B.—</i>	11 ...	386 ...	.....	.....	.....	7690	S. scanty, F. G. W. and T. available.	Village.
36	Phagu <i>P. O., D. B.—</i>	11 2	397 2	.....	.....	.....	7420	S. F. G. T. procurable, W. scanty.	Hamlet.
		5 6	403 ...	.....	.....	.....	8170	S. F. G. W. and T. moderate.	Ditto.

37	<i>Pokri bazar</i>	...	...	406	6	.....	.....	7200	S. F. G. and T. abundant, W. scanty in dry season.	Sanitarium and summer capital of India. Town, bazar. Palace of H. E. Viceroy of India.
	<i>Mashobra toll bar</i>	...	...	411	6	.....	.....	
	<i>Sanjoli bazar</i>	...	...	413	...	.....	.....
	Simla P. O., T. O., Hotels, C., E.—	...	12	415	...	.....	.....

From Leh take bulk of supplies and transport (Yaks are best) to Kailing in Lahoul, and from Kailing (calling upon the Assistant Commissioner at Kulang) take bulk of supplies to Sultanpur.

This road is open from June to October.

From Debring 72 miles, the road by Rukchen in Rupshu over the Khiang Chu maidan and the Lachalung La to Gian can be taken if preferred.

See Route LXIX, stages 5 to 9.

LXX. KILANG TO SULTANPUR by BARALACHA and HAMTA PASSES—

10	Kilang	...	...	156	...	Long and easy ascent and descent with long stretch upon summit.	.....	Yunan bridge Yunan Tso.	..... .....	S. F. T. nil, G. scanty, W. available.	Camping ground. Lake.
11	Topo	...	18	168 174	...	Road rough but passable for laden animals with care over bad places.	Baralacha pass DownChandra valley along left bank.	.....	16200.	S. F. T. nil, G. W. available.	Halting place.
12	Topo Koma	...	9	183	...	.....	.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXa	<i>ROUTE.—contd.</i>	...	183 ..	.....	.....	Sun Chikma Lake.	.....	S. and T. nil, G. W. available.	Halting place.
13	Chandra Dul	14 ..	197 ..	.....	.....	Chota Shigri torrent and moraine.	...	S. and T. nil, F. G. W. available.	Camping ground.
14	Karcha	13 ..	210 ..	Hard march over rocks and boulders brought down by avalanches to Chaktru.	.....	Bara Shigri glacier and moraine.	.....	Ditto	Ditto.
15	Puti Rani	11 ..	221 ..	Shigri glacier site of huge mountain slip which blocked the Chandra river for some months.	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Opposite Purana Koksar.
16	Chaktru	12 ..	233 ..	.....	.....	.....	14000.	S. and T. nil, F. G. W. available.	Halting place.
17	Chikra E.—Hamis	13 ..	246 ..	Steep ascent, to pass, long and stony and easy descent, fair road through beautiful scenery all the way to Sultanpur.	Hanta pass. Down Rani valley left bank.	.....	.....	.....	.....
	Prini	...	254 ..	.....	Down Beas valley left bank.	...	.....	.....	Junction of Raini nala with Beas river.
		...	256 ..	.....				

18	Jagatsuk <i>E. Gopra</i>	...	12	...	258	...	.....	.....	Doangnu bridge. Splendid cascade. Chaki bridge.	5985	S. F. G. W. and T. moderate.	Village.
19	Nagar <i>E. Kois</i>	...	9	...	267 272 275	...	.....	.....	Beas bridge. Raogi " " Kois " "	5780	S. F. G. W. and T. ample.	Small civil station on left bank of Beas river.
20	Sultanpur <i>P. O., D. B., E.</i>	...	13	...	280	...	.....	.....	.....	4092	S. F. G. W. and T. plentiful.	Capital of Kul u. Town, bazar and tehsil on right bank of Beas river.

The drawback to this alternative route is the difficulty of supplies and transport, which must be taken through from Leh and Sultanpur either way. Route open from June to October.

LXXI LEH TO JALANDHAR by KANGRA—

	Leh <i>P. O., D. B., C., E.</i>	...	...	0	...	Road rough and story, but passable for laden yaks.	Cross Indus valley.	.....	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak. Take supplies to Kailing.
1	Khawuch <i>Zinchan</i>	...	10	...	10	There are no supplies or transport available at the stages between Leh and Padam, and hence onwards both are scarce.	Up ravine southwards.	.....	10560.	S. F. G. W. and T. moderate.	Village.
2	Urucha	...	16	...	26		.....	.....	.....	S. and T. nil, F. G. W. procurable.	Hamlet.
					29		Kunda La	.....	16211.		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XXI	<i>ROUTE—contd.</i>	...	...				
3	Skio	12	38		Up Markha valley.	Cross Markha river several times.	11120	S. and T. nil, F. G. W. procurable.	Hamlet.
4	Chaluk	12	50		.....	.....	.....	Ditto	Ditto.
	<i>Markha</i>	...	56		.....	.....	12510.		
5	Gonpa	9	59		Up Kuberung Chu.	.....	.....	Ditto	Ditto.
6	Camp	10	69		.....	.....	.....	S. and T. nil, F. G. scanty, W. available.	Camping ground.
			73		Difficult pass both in ascent and descent.	Ruberung La, down Ruberung Chu.			
7	Khurna Sumdo	15	84		.....	Cross Khanuk river.	.....	Ditto	Ditto.
8	Tilut Sumdo	9	93		... ..	Across Khanuk Valley.	.....	Ditto	Ditto.
9	Tomtokh	9	102		Up Charcha Chu.	.....	.....	Ditto	Ditto.

							Pass rough and difficult on both sides.	Charcha La.				
10	Zumlung	...	13	...	109	...	...	....	....	Ditto.	....	Ditto.
11	Zozar	...	15	...	130	...	Join here regular road from Leh to Zanskar by Yel- chung.	....	....	T. nil, S. F. G. W. procurable.	11503	Hamlet and bridge over Zanskar river.
12	Thonde	...	7	...	137	...	....	....	....	Ditto	11460	Hamlet.
13	Padam	...	9	...	146	...	Road fair and pass- able for laden animals to Kargyah.	....	Tsarap Lingti Chu bridge.	S. F. G. W. and T. procurable.	11373	Fort, village and former capital of Zanskar.

From Gonpa 59 miles, a track continues south-eastwards up the Markha valley by Hankar 67 miles, Nimaling maidan 75 miles, over the Chaksang La 83 miles, to Latho 93 miles, in the Gya valley at 45 miles of Route LXIX.
 From Hankar 67 miles another track goes south up the Luntung Chu over the Kurpola 17,050 feet 83 miles, down the Khurna Chu, by Khurnak 74 miles, Kurto huts 77 miles, up the Omatu Chu, by Khanuk 85, over the Yar La 16,180 feet, 103 miles down the Lungma Chu to Sangtha 115 miles, in the Zara valley at miles 93 of Route LXX.

	<i>Burdun Gonpa</i>	...	...	...	153	...						
	<i>Pipchu</i>	...	...	...	154	...						
		...	...	...	157	...						
14	Reru <i>E—</i>	...	15	...	161	...	Road along both banks of river from Padam to Pipchu.	Up Tsarap Lingti valley, cross to left bank.	Tsarap bridge. Chema Che- kore bridge. Reru Tokpho bridge.	S. and T. precarious, F. G. W. available.	....	Hamlet.
15	Sarleth <i>E—</i> <i>Char</i>	...	13	...	174	...	....	....	....	Ditto, F. scarce.	....	Ditto.
		...	...	...	176	...	....	....	Junction of Nirichu.	....	12800	Village on right bank.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXI	ROUTE—contd.	...	176 ...						
16	Tetha <i>E.—</i>	9 ...	183 ...	.....	Up Kuryahchu valley.	.....	.....	S. and T. precarious, F. scarce.	Hamlet.
17	Kargyah <i>E.—</i>	11 ...	194 ...	Hence two roads to Kailing, one over Shingo Ia, and the other over Phirtse Ia by Sarchu Lingti.	.....	Gian built bridge.	13670	S. F. G. W. and T. procurable.	Village and extensive grazing ground.
18	Lakong	9 ...	203 ...	.....	.....	.....	.....	S. F. T. nil, G. scarce, W. plentiful.	Halting place.
19	Ramjak	14 ...	217 ...	Road fairly easy on both sides of pass.	Shingo La down Lingkyung valley.	.....	16722.	S. and T. nil, F. G. scarce, W. plentiful.	Ditto.
20	Dak bajan	10 ...	227 ...	Road bad for ponies passable with care.	.....	.....	.....	S. and T. nil, F. G. W. available.	Ditto.
			236 ...	.....	.....	Bangyo "			

21	Darcha <i>C., E. on right bank.</i>	10 ...	237	...	Here join the Lahoul and Rupsu road. Bhaga valley well cultivated, road very dusty to Kailing.	Down Bhaga valley along right bank.	.....	10844	S. F. G. W. and T. procurable.	Village on left bank of Bhaga river.
22	Kulang <i>E.—</i>	10 ...	247	...	.....	... ..	.....	.....	Ditto	Village.
23	Kailing <i>P. O., D. B., C., E.—</i>	12 ...	259	...	Road shady from planted willow trees for 4 miles.	Cross to left bank.	Bhaga bridge	10100	S. F. G. W. plentiful, T. available.	Capital of Lahoul Moravian Mission.
24	Gandla <i>B., E.—</i>	12 ...	264	...	Road easy with exception of narrow part	Up Chandra valley right bank.	2 Hill torrents bridged.	10300	S. F. G. W. and T. available.	Village.
25	Sissu <i>E.—</i>	9 ...	274	...	round rocks, and with many ups and downs and crossing many hill torrents to Koksar.	.....	Sissu bridge 5 hill torrents bridged.	9938	S. F. T. scarce, G. W. procurable.	Small village.
26	Koksar <i>B., E.—</i>	13 ...	280	...	.....	.....	Chandra bridge.	10260	S. F. T. scanty, G. W. plentiful.	Village.
			293	...	Ascent and descent of pass very steep, very cold and keen high wind after 9 A.M.	Rotang pass	.....	13500.		
27	Rahla <i>B., E.—</i>	10 ...	298	...	By mule road 14 miles.	Down Beas valley, along right bank.	...	9000	S. and T. nil, F. G. W. available.	Hamlet.
	Pulchun	...	303	...	.....	.....	Solung bridge.			
	Baroa	...	306	...	.....	.....	.....	.....	S. and T. available	Village on plain.
		...	308	...	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXI	ROUTE—contd.	...	...				
28	Manali <i>B., E.—</i> <i>Baran</i>	10	...	Road very good through woods and lovely scenery.	.....	Manali bridge	.....	S. F. G. W. and T. procurable.	Village.
		...	318	.....	.....	Kuish "			
		...	322	.....	.....	Dobi "			
29	Katra <i>B., E.—</i>	13	...	.....	.....	Raison "	4723	S. F. G. W. and T. available.	Near Dwara small town.
30	Sultanpur <i>P. O., D. B., C.—</i>	12	...	Road very good up hill to Kuraun.	.....	Beas "	4092	S. F. G. W. and T. plentiful.	Capital of Kulu. Town, bazar, tehsil.
31	Kuraun <i>B.—</i>	8	...	Easy ascent to pass through grand forest of pines, and bad descent steep and bad.	.....	.....	.....	S. F. G. W. and T. moderate.	Village.
32	Badwani <i>Mandi.</i> <i>B.—</i>	10	...	First half of this march fairly level, then stiff descent of 4 miles and climb of 3 miles.	Babu pass Across Ool valley.	.....	9480.	Ditto	Ditto, lovely view looking south.
33	Jhatingri <i>Mandi.</i> <i>B.—</i>	13	...	.....	.....	.....	6700	Ditto	Ditto B. on top of ridge between two ranges.
			369	...	.....	.....	660	Ditto	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	m.	f.						
LXXI	ROUTE.—contd.	...	...	422	4					
38	Kangra P.O., T.O., D.B., C., E.	9	4	425	..	Down Bangunga valley.	.....	2400	S. F. G. W. and T. plentiful.	Ancient fort, large town and bazar. Devi temple frequented by pilgrims.
	Daulatpur	...	...	426	4	.....	Bangunga bridge.	2100	...	Large bazar.
		...	...	430	4	.....	.....	
		...	...	434	4	.....	Ditto.			
39	Ranital B., C., E.—	11	...	436	...	.....	.....	2000	S. F. G. W. procurable, T. nil.	Small village.
				440	...	Blagrot saddle.	.....		
40	Gopipur Dehra P.O., D.B., E.—	13	...	449	...	Across Beas valley.	Beas bridge of boats.	1400	S. F. G. W. and T. available.	Town, bazar, tehsil and schools.
				452	...	.....	Gopipur rao.			
41	Bharwain	11	4	460	4	Road crosses wide raos in the Jeswunt Doon which are very	Summit of Sewalik range.	3000	Ditto after notice, W. scanty.	Small village.
	Kinno	...	...	463	4	.....	.....	2400	.....	Ditto.

42	Gugret B., C., F.—	...	13	...	471	4	sandy and heavy.	.....	Sohan ford	.....	.....	Road 3 miles E. to Umb. Hamlet and shops.
43	Manguwal B., E.—	...	7	...	473	4	Easy ascent and descent.	Cross Jeswunt Doon. Nain pass.	.....	.....	Ditto	.....
44	Hoshiarpur P.O., D. B., C., E. confined—	...	8	4	476	4	Hence cart-road bridged and metalled to Hoshiarpur, where dak gharris are procurable.	Southern base of Sewalik hills.	.....	.....	S. and T. nil, F. G. W. procurable.	Halting stage.
45	Adampur Nasrula	...	14	...	480	4	.....	.....	Maskara rao.	.....	S. F. G. W. and T. ample.	Small civil station, town and bazar.
46	Jalandhar P.O., T.O., D.B., C., E.	...	11	...	483	...	.....	.....	Chooa rao	.....	Ditto after notice	Small village.
		...	...	...	489	...	.....	.....	Nasrula rao.	.....	S. F. G. W. and T. abundant.	Station on N.-W. Railway. Civil station and mili- tary cantonment.

A new line of railway will shortly be commenced to connect Hoshiarpur with Jalandhar.

XXIa KHURNA SUMDO TO CHAR—

7	Khurna Sumdo...	...	84	...	Very rough and difficult path.	.....	.....	S. T. nil, F. G. scarce, W. plentiful.	Halting place.
8	Lapurba ...	8	92	...	.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL m. f.						
LXXI	ROUTE—contd.	...	92 ...			.....	18530.		
9	Niri Sumdo	...	108 ...	Steep and difficult ascent and descent over snow fields.	Shapo dak La, down Niri Chu valley.	.....	.....	S. T. nil, F. G. scarce, W. plentiful.	Halting place.
10	Niri	...	120 ...	Road crosses on high spur.	.....	.....	.....	Ditto	Ditto.
11	Shadi	...	130 ...	Road fair and passable for laden yaks.	Shingri La. Down Niri Chu valley left bank.	Niri Chu bridge.	.....	S. and T. nil, F. G. W. procurable.	Village.
	<i>Tantak Gonpa</i>	...	134 ...	.....	.....	.....	.....	.....	Monastery.
12	Yaytah	...	141 ...	.....	Cross to right bank.	Botkung bridge.	.....	Ditto	Hamlet.
13	Phooktal Gonpa	...	149 ...	.....	.....	Niri Chu bridge.	.....	S. F. G. W. and T. moderate.	Monastery.

14	Char	...	6	...	155	Tsarap Lingti Chu bridge.	12800	Ditto	Village at junction of Niri Chu and Tsarap Lingti Chu.
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From Botkung bridge 139 miles, there are paths either up the Shoom river or over the Nialo kontse La and Gotoonta La 16,500 feet, to Kormoch 153 miles, Mane Leh 159 miles, Satak 166 miles, Takh 175 miles at mile 120 of Route LXX leading to Lahoul.

LXXII. LEH TO AMRITSAR by KISHTWAR and CHAMBA—

	Leh <i>P. O., D.B., C., E.—</i>	...	...	...	...	...	On main road to- wards Dras and Srinagar as far as Nimu.	...	...	11500	S. F. G. W. and T. abundant.	Town, fort and (capital of Ladak.
1	Pitak	...	...	...	...	4 7	2 2	...	Phayang Dokpo.	.....	S. F. G. W. T. moderate.	Village. Below junction of Zaskar and Indus rivers.
	Nimu	...	18	2	18	19	...	Up Zaskar valley.	Indus bridge.	.....	.....	Small village.
2	Ezas <i>E.—</i>	...	15	6	34	...	...	Up Sundak foo.	.....	.....	S. and T. nil F. G. W. available.	Ditto.
3	Drogulika <i>E.—</i>	...	9	...	43	...	Long easy ascent and descent from pass.	Choke La	.....	13513.	Ditto	Ditto.
4	Hinjoo <i>E.—</i>	...	10	...	53	...	...	.....	.....	.....	Ditto	Ditto.
5	Phanjila <i>Soondoo</i>	...	9	...	62	...	Here join road from Lama Yuru to Zaskar.	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEAL LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m. f.	m. f.							
XXII ROUTE—contd.										
6	Honupatta E.—	..	65 ..	..	Road good and passable for laden animals.	..... Sir Sir La.	.. ..	12400	S. F. G. scarce, W. plentiful, T. nil.	Village.
7	Photaksur E.— <i>Maling</i>	13 ..	82 ..	..	Road through the hills, crossing numerous spurs and ravines and with easy ascents and descents over passes.	..... Singi La.	.....	16372.	S. F. G. W. procurable, few coolies.	Ditto.
8	Yelchung E.—	16 ..	98 ..	..	.....	.....	.....	.....	.....	Cultivated valley 6 miles.
9	Nærung	6 ..	100 4	..	.....	.....	.....	16600.	S. precarious, T. nil, F. G. W. scanty.	Small village.
10	Pangot	10 ..	104 ..	..	Road fair through low hills inland across a bend of the Zaskar river.	..... Chocho Bori La. Nera La.	Zaskar bridge.	10819.	S. and T. nil, F. G. W. procurable.	Ditto.
11	Khurmafoo	10 ..	110 ..	..	.....	.....	.....	16000	Ditto	Halting place.
			114 ..	..	.....	.....	.....	.....	Ditto	Ditto.
			124 ..	..	.....	.....	.....	13050	Ditto	Ditto.
			129 ..	..	.....	Chelong Labho.	.....	14530.		

12	Zang la	...	13	...	137	...	.....	.....	S. F. T. scarce, G. W. plentiful.	Village on right bank Zanskar river.
13	Zosar	...	6	...	143	...	.....	Zanskar bridge.	T. nil, S. F. G. W. procurable.	Village and bridge over Luna Sampu or Zanskar river.
14	Kursha <i>Tugring</i>	...	12	...	155	...	.....	.....	S. F. G. W. and T. moderate.	Village and monastery opposite junction of Doda and Luna Sampu rivers.
15	Ating <i>Sunchun Gampa</i>	...	16	...	171	...	.....	Up Bardur valley	S. F. G. W. procurable, few coolies.	Village.
16	Gowra <i>E.—</i> <i>Huttra</i>	...	10	...	181	...	.....	.....	S. F. T. nil, G. W. procurable.	Halting place.
17	Bugjan Hiwan <i>E.—</i>	...	13	...	194	...	.....	Unasi La. Down Bhetna valley.	.....	Open 3 months June to August inclusive.
18	Bujwas <i>Sumjam</i>	...	7	...	201	...	.....	.....	Ditto.	Ditto.
19	Machail <i>E.—</i>	...	8	4	209	4	.....	.....	S. T. nil, F. G. W. procurable.	Sapphire mine in vicinity.
20	Kundhel Umshil	...	11	...	220	4	.....	.....	S. F. G. W. and T. moderate.	Village.
								Bhetna bridge	Ditto.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
LXXII ROUTE—contd. ...									
21	Atholi or Gulabgurbh. E.—	11	231 4	From Atholi difficult path, high above river, crossing numerous side gorges with considerable ascents and descents, practicable for unladen ponies to Bagni, whence easy road to Kishtwar.	Down Chandra Bhaga valley left bank.	Bhetna bridge and Chandra Bhaga rope bridge.	6360	S. F. G. W. and T. moderate.	Village and fort, chief place of Padar.
22	Siri	14	245 4		.....	.....	8700	S. and T. nil, F. G. W. available.	Hamlet.
23	Piyas	9 4	255 ...		.....	.....	6320	Ditto.	Ditto.
24	Bagni	11	266 ...		.....	.....	.....	S. scanty, F. G. W. plentiful, T. available.	Small village.
25	Kishtwar P. O., E.—	13	279 ...	From Kishtwar road fair and narrow in places, following the windings of the Chenab river and passable for laden animals.	.....	.....	5400 5000	S. F. G. W. and T. ample.	Town, fort, bazar on elevated plateau head quarters of district.
26	Joshni E.—	15	294 ...		.....	.....	.....	S. T. nil, F. G. W. procurable.	Village.
27	Janglwar E.—	6	300 ..		Ascend hill range.	Karney Gad bridge.	3670	S. F. G. W. and T. available.	Ditto.
			306 ...		Chira gully.				

28	Jaora <i>E.—</i>	...	8	...	308	...	Summer road rises to ridge of hill, along which it keeps to Chinta, then descends to Budrawar, winter or lower road by Jagud.	.....	.....	...	S. F. G. W. plentiful, T. procurable.	Ditto.
	<i>Chinta</i>	...	...	...	322	...						
29	Budrawar <i>P. O., E.—</i>	...	17	...	325	...	Road good and passable for laden animals, crossing several small streams up cultivated valley.	.....	Neru bridge	5427	S. F. G. W. and T. ample.	Capital of Budrawar, Jagir of Raja Sir Amar Singh, K. C. S. I. Town, fort and bazar.
30	Thenala	...	8	...	333	...	.....	.....	.....	...	S. and T. nil, F. G. W. plentiful.	Iron mines.
		...	...	...	335	...	Long ascent to pass and steep descent down stony bed of stream.	Padri pass. Down Kandi. Marl valley.	.....	9000.		
31	Langera <i>E. on roof of huts,</i>	...	14	6	347	7	.....	Down Shoon valley.	.....	5982	Ditto	Hamlet.
32	Bhandal <i>Digi</i>	...	12	...	359	6	Road rough, hilly and stony to Chamba.	.....	.....	5679	S. F. G. W. and T. available.	Large village.
		...	...	...	364	...		.....	Shoon ferry.	.....	.....	Ditto.
33	Manjeri <i>B. E.—</i>	...	14	...	373	6	.....	Across Sachi valley.	Sachi bridge	.....	Ditto	Ditto.
	<i>Rajnager</i>	...	...	...	380	...	.....	Cross Rajnager spur.				Capital of Chamba, residence of Raja. Large town and bazar.
34	Chamba <i>P. O., D. B., C., E.—</i>	...	16	...	389	6	.....	.....	Ravi bridge	3000	S. F. G. W. and T. abundant.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE.	TOTAL						
		m. f.	m. f.						
LXXII ROUTE—contd.									
35	Rareri	...	389	6	...	.....	.....	S. F. G. W. and T. procurable.	Village.
	Mankot	6	395	...	.....	.....	.....
		...	400	...	Mankot gully				
36	Chuari	12	407	6	.....	.....	.....	Ditto	Customs post.
	B. C., E.—	...	...	...	.....	.....	.....
	Jaji	...	414	...	.....	Chuki ford.			
37	Nurpur	16	423	6	Join cart-road from Kangra to Pa- thankot.	Jubber Khud	2050	S. F. G. W. and T. ample.	Ancient fort and town. Large bazar and tehsil.
	P. O., D. B., C, E.	...	...	...	.....	Lyall viaduct	1300		
38	Puthankot	16	439	6	.....	.....	950	S. F. G. W. and T. plentiful.	Town and large bazar, terminus of branch railway.
	P. O., T. O., hotel, C., E.	...	...	...	.....	.....	.....
	Gurdaspur	23	463	...	By Amritsar branch of North Western Railway.				
	Batala	90	483	...					
	Amritsar	24	507	...					
	P. O., T. O., hotel, C.	...	...	...		

XXIIa ZOZAR to CHAMBA by POAT LA and SACHI PASSES—Map, Rose.—Distances approximate.

13	Z zar	...	...	...	143	...	...	This route though shorter is much more difficult and crosses much higher mountain passes.	Up Doda valley right bank.	...	11583	S. F. G. W. procurable, T. nil.	Hamlet and bridge over Zanskar or Luni Sampu river. Small village.
14	Thonde E.—	...	7	...	150	...	...	.....	.....	...	11460	Ditto	
15	Padam E.—	...	9	...	159	...	...	.....	Up Tsarap Lingti valley.	tsarap Lingti bridge.	11373	S. F. G. W. and T. procurable.	Village and Fort, former Capital of Zanskar.
	<i>Burdun Goupa</i>	...	...	...	165	...	...	.....	.....	.....	...	.....	Monastery.
16	Chemo Chekore	...	10	...	169	...	...	...	Up Tema Tokpho valley.	...	.....	S. and T. nil, F. G. W. available.	Hamlet.
	<i>Chimi Chenmo</i>	...	...	...	174	...	...	...	.....	.....	.....
17	Kanjoo	...	11	...	180	...	...	The glaciers and snow fields extend from Kanjoo to the Camp at head of the Kilar nala about 43 miles. The ascent and descent of Poat La are not difficult, but the ascent and descent of Shinkil pass are extremely rough, steep and difficult.	.....	.....	.....	Ditto	Halting place.
		...	19	...	199	...	...	.....	Poat La	.....	18752.		
18	Danga	...	...	...	...	...	...	.....	Across head of Danlong valley.	Danlong ford.	.....	Ditto	Ditto.
		...	24	...	223	...	...	.....	Shinkil pass. Down Kilar valley.	.....	.....	Ditto	Ditto.
19	Camp	...	...	...	...	...	...	.....	.....	.....	.....
20	Kilar E.—	...	9	...	232	...	...	.....	Cross Chandra Bhaga valley.	Chandra Bhaga bridge.	8411	S. F. G. W. and T. procurable.	Village in Pangl.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXIIa ROUTE—contd.									
21	Halias	...	232	...	Steep ascent from Chandra Bha ga river and easy descent. Long and narrow glacier on summit.	.....	.....	S. and T. nil. F. G. W. available.	Halting place in Chamba.
22	Alwas <i>E.—Baira</i>	15	256	...	Sachi pass Down Sachi valley.	.....	14328. 6997	Ditto	Hamlet.
23	Tisa <i>E.—Tikri</i>	12	268	...	Road fair and stony to Chamba down Sachi valley to Tikri, thence branching up Chanju valley to near Chanju, crossing a low range of hills and down the Hul valley to the Ravi.	..... Up Chanju valley.	.....	S. F. G. W. and T. moderate.	Large village.
24	Kalel	12	280	...	.....	Chanju bridge	5060	Ditto	Village.
25	Masrund	9	286	...	Banjah pass. Down Hul valley right bank.	.....	6376	Ditto	Ditto.
26	Chamba <i>P. O., D. B., C., E.—</i>	12	301	...	Ravi valley	Ravi bridge	3033	S. F. G. W. and T. abundant.	Large town and bazar. Capital of Chamba State. Residence of Raja.

LXXIII LEH to JAMMU by ZANSKAR and BUDRAWAR—See ROUTE XVII.

LXXIV LEH to SRINAGAR by DRAS and SINDH VALLEY—See ROUTE LI.

Ditto by SURU—See ROUTE LII.

LXXV LEH to GILGIT by INDUS VALLEY—See ROUTE LXVI.

LXXVI LEH to SKARDU by SHAYOK VALLEY. *Drew, Nere, Knight, Wachmeister.*—Distances approximate.

	Leh <i>P. O., D. B., C., E.—</i>	...	...	0 ...	Follow ordinary road towards Srinagar as far as Khalsi, then in- stead of crossing bridge keep down Indus valley to the junction of the Hanu valley.	Down Indus valley right bank.	.....	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak. Palace of Gialpoor Raja.
	<i>Pitak</i>	...	...	4	.....	.....	.....	10500	.....	Village and Monas- tery.
1	Phayang Dokpo <i>B.—</i>	7	2	7	2	.....	Lunachmofo	.....	S. and T. nil, F. G. W. procurable.	Ditto.
	<i>Nimu B., E.</i>	...	...	18	2	.....	Nimu Drokpo.			
2	Bazgo <i>B., E.—</i>	15	...	22	2	.....	Bazgo "	11058	Ditto	Large village.
	<i>Tarutse</i>	...	...	29	2	.....	Likir "	.....	.....	Likir Monastery, 2 miles up valley.
3	Hemis Shukpa	15	6	38	...	Road rough and in bad order to Nurla, crossing low hills and through a gorge to the Indus.	.....	.....	S. and T. scanty, F. G. W. available.	Village and Monas- tery on high plateau, grove of pencil cedars.
	<i>Timisgam</i>	...	...	45	...					

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XXVI. ROUTE—contd. ...									
4	Narla E. E.—	...	45 ..	.....	...	Phocha Drokpo.	.....	S. F. G. W. and T. moderate.	Village.
5	Khalsi B.—	6 ...	55 ..	Road fair along the Indus crosses many spurs and ravines.	Keep to right bank.	Skimming Cho. Indus bridge Doom Khar Cho.	..... 10000	S. and T. scanty, F. G. W. procurable.	Ditto. Fort and bridge over Indus river.
6	Skirbichan Achi natung Nubbi branakar	16	71 ... 79 ... 84 ...	..... ..... .....	..... ..... Up Hanu valley.	Kirboo Chand bridge. Broglow.	.....	S. ml, T. scanty, G. F. W. available.	Village, cultivation.
7	Goma Hanu E.—	18 ...	89 ... 102 ...	Long and easy ascent to and descent from pass.	..... Chorbat pass Down Chorbat Loongma.	..... .....	..... 16696.	S. F. G. W. and T. moderate.	Village.
8	Cam.	21 ...	110 ...	.....	.....	.....	... ..	S and T. nil, F. scarce, G. W. plentiful.	Halting place in Baltistan.

9	Pinn or Parfain E.—	9	119	...	Road fair and stony, crossing many spurs and ravines.	Down Shayok valley left bank. .....	..... Kustang Brok.	.....	S. F. G. W. and T. procurable.	Picturesque village.
	<i>Kustang</i>	...	123	...	...	.....	Kustang Brok.	.....	.....	.....
	<i>Kubar</i>	...	126	...	...	.....	Kubar Longna	.....	.....	.....
10	Dau	10	129	...	.....	.....	...	.....	Ditto	Village on hill.
	<i>Lunkha</i>	...	133	...	...	.....	Lunkha Brok.	.....	.....	.....
11	Sirmu	11	140	...	.....	.....	Sirmu Brok.	.....	S. and T. nil, F. G. W. moderate.	Small village.
12	Khapalu E.—	7	147 149	...	Road good and sandy.	Cross to right bank.	..... Shayok ferry or skin raft.	8400	S. F. G. W. and T. moderate.	Large village and Raja's palace.
13	Kerka E.—	10	157	...	Road fair along irrigated terraces	.....	Narul Loomba	8356	S. and T. nil, F. G. W. moderate.	Large village.
	<i>Dowany</i>	...	161	...	.....	.....	Thulle "	.....	.....	Road branches by Tusserpo La to Shigar. Village.
14	Kuru	16	173	...	Path over sand along the Shayok river.	.....	Kuru "	7992	Ditto	Large village.
15	Kiris E.—	9	182	...	.....	.....	Kiris "	.....	S. W. and T. moderate, F. G. scarce.	Junction of Shayok and Indus rivers.
	<i>Ghoro</i>	...	185 193	...	Path over sandy hills high above the Indus, views very striking.	Down Indus valley right bank.	... Ghoro "	7673	.....	.....
16	Narh E.—	14	196	...	.....	.....	Narh "	.....	S. and T. scarce, F. G. W. moderate.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXXVI ROUTE—contd. ...									
		...	196 ...	Join Shigar and Skardu road over sand, gravel and dust.	Cross to left bank.	Indus ferry.	7400	S. F. G. W. and T. abundant.	Town and fort, capital of Baltistan.
			206 ...						
			209 4						
17	Skardu P. O., T. O., C., E.—	17 ...	213 ...						

Take supplies from Leh to Goma Hanu, hence to Piuu, hence to Khapalu, and the same on the reverse way. Summer route open from June to October.

Winter route by Indus valley, crossing at Khurnang to the Dras and Skardu road.

Marches 11 and 12 of 18 miles can be shortened to 14 miles by avoiding Sirnu, though the short cut is rough and stony over an hill spur.

LXXXVII LEH to KHAPALU by SHAYOK VALLEY — Map, Thomson. — Distances approximate.

Leh P. O., D. B., C., E.—	...	...	0 ...	Ordinary road from Leh to Phayang Dokpo whence turn up a side valley to its source under the Lasir-mou Peak over the Thanglasgo	.....	.....	11500	S. F. G. W. and T. abundant.	Capital of Ladak. Town and fort. Palace of Gialpoor Raja.
<i>Ptak</i>									
1 Phayang Dokpo E.—	7 2	7 2	7 2	Up Lunachmo foo.	Lunachmo foo.	.....	.....	S. F. G. W. and T. procurable.	Monastery.

<i>Choma</i>	...	...	14	...	La and down this and the Palzampin ravines to the Shayok valley.	.....	.....	.....	S. and T. nil, G. F. W. scanty.	Halting place.
2 Lunachmo	...	12	20	...	.....	Thanglasgo La, Down Thanglasgo ravine.	.....	16960.	Ditto	Ditto
3 Brok Guma	...	23	43	...	.....	.....	.....	.....	Ditto	Ditto
<i>Wachan</i>	...	...	46	...	.....	.....	.....	.....	Ditto	Ditto
4 Hungar <i>left bank E.—</i>	...	13	56	...	Road fair to Um-uaru, and rough to Koro, where it branches up aside valley crossing many spurs to Waris.	Down Shayok valley left bank.	Palzam piu Loongma.	10300	S. F. G. W. and T. moderate.	Large village and orchards.
5 Thaise <i>left bank</i>	...	11	67	...	.....	Cross to right bank.	Shayok ford	.....	S. and T. nil, F. G. W. available.	Village.
6 Umuaru <i>right bank E.—</i>	...	8	75	...	.....	.....	Unmari Loongma.	.....	S. F. G. W. and T. moderate.	Ditto.
7 Koro <i>right bank</i>	...	10	85	...	.....	Up Waris Loongma.	.....	10300	S. and T. nil, F. G. scanty, W. plentiful.	Halting place.
8 Waris	...	10	95	...	Hence it rises sharply over 2 main spurs and descends again to the Shayok river.	.....	Waris Loongma.	.....	Ditto	Hamlet.
<i>Zdong polas</i>	...	...	98	...	.....	.....	.....	12494.	Ditto	Ditto
<i>Shupa</i>	...	...	100	...	Ascent and descent of passes very steep and abrupt.	Lagopo La	.....	13143.	Ditto	Ditto
...	...	...	102	...	.....	Down Biagdang Loongma.	.....	.....	Ditto	Ditto
9 Biagdang <i>right bank</i>	...	10	105	...	Road fair and easy with many ups and downs.	Down Shayok valley.	Biagdang Loongma.	11700	S. and T. precarious, F. G. W. plentiful.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
LXXVIa ROUTE—contd. ...									
10	Chalunka right bank	...	105 ...	.....	.....	Chalunka	....	S. and T. precarious, F. G. W. plentiful.	Village.
11	Turtuk left bank ...	9 ...	124 ...	.....	.....	{ Shayok bridge } Turtuk "	.....	Ditto	Ditto.
12	Prahnu right bank E.—	14 ...	138 ...	.....	.....	Shayok "	8740	S. F. G. W. and T. moderate.	Large village, well cultivated.
13	Pinu left bank ... E.—	12 ...	150 ...	Join summer route from Leh by Chorbat pass. See Route LXXVI, marches 9 to 12.	.....	....	.....	S. F. G. W. and T. procurable.	Village.
16	Khapalu left bank	28 ...	178 ...					8400.	

LXXVlb KHAPALU to SHIGAR by THULLE LA or TUSSEPO LA.—Distances approximate.

12	Khapalu	... ..	147 ...	Road good and sandy.	Gross Shayok river from left to right bank.	Shayok ferry or skin rafts.	.....	S. F. G. W. and T. plentiful.	Large village and Raja's palace.
13	Kerko	... ..	155 ...	.....	Up Thulle valley.	.....	8356	S. F. G. W. and T. moderate.	Large village.

	<i>Dowani</i>	...	...	...	159	...	Road rough and stony, crossing many spurs and ravines.	.....	.....	.....	S. F. G. W. and T. procurable.	Village.
14	Harangur	...	11	...	166	...						
15	Bukma	...	12	...	178	...	.....	.....	.....	11323	Ditto	Ditto.
16	Dubla Khan	...	7	...	185	...	.....	.....	.....	.....	S. and T. nil, G. F. W. available.	Halting place.
17	Tapsa	...	18	...	203	...	Very steep ascent and descent over pass, cross small glacier.	Tusserpo La down Tlath lung.	.....	16679.	Ditto	Ditto.
	<i>Baumakarel</i>	...	..	..	205	...			.....	.....
18	Shigar	...	12	...	215	...	On left bank Shigar river.	.....	.....	7640	S. F. G. W. and T. plentiful.	Fort and large village, garden cultivation.

From Bukma 178 miles is a cross track up the Tunthul nala over the Luggo La 16,785 feet down the Kiris Loomba to Kiris about 24 miles in length.

From Dubla Khan 185 miles there is a shorter but steeper track over the Thulle La 192 miles, down the Yaltsa Loomba to Bauma Karel 202 miles in the Tlath lung valley.

From Khapalu there is another track northwards up the Hushe valley along right bank to the glaciers at foot of the Masher Brun Peak in 3 short marches to Maden (opposite to Haldi 8,867 feet on left bank) 12 miles, Kande 13 miles, and Hushe 10 miles.

From Haldi at junction of Hushe and Saltoro rivers, another path goes eastwards up the Saltoro valley by Chimo 9 miles, Dumsun at junction of Kandus and Saltoro rivers 8 miles, Goomba Khan 11 miles, Ghyari up the Ghyari Loomba 13 miles, Ali Braisa 9 miles at foot of the Bilafun glacier and pass, an old route, now unused, over the Mustagh Karakoram range towards Yarkand.

From Khapalu eastwards there is another track by Sirnuu, which crosses the Shayok river by skin raft at 8 miles to Gourtse 13 miles; thence up left bank of the Saltoro river, past Dumsun 12 miles, Pild 9 miles, where it crosses a bridge over the Saltoro river to right bank and joins the previous route at Goomba Khan for the Bilafun pass.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXVII LEH TO YARKAND AND KASHGAR by NUBRA VALLEY, KARA KORAM PASS and KILIAN PASS.									
<i>Tabistani or Summer route. Drew, Trotter, Bellev, Biddulph, Lansdell. — Distances approximate.</i>									
1	Leh <i>P. O., D. B., C., E.— Ganles</i>	...	0 ...	Road rough and stony.	Up ravine north of Leh.	...	11500	S. F. G. W. and T. abundant through supplies and transport to Yarkand.	Large town and fort. Capital of Ladakh. Palace of Gialpoor Raja. Residence of Wazir and British Joint Commissioner Halting place.
		...	5 ...			.....	15000	S. and T. nil, F. G. W. scarce.	Yaks necessary over this pass.
2	Camp <i>E.— Khardong</i>	12 ...	12 ...	Ascent to pass by a very steep and stony zigzag descent down a steep snow field over moraine banks and down a mountain torrent to the Shayok valley.	Khardong or Laochi La, down ravine valley and up Nubra valley along left bank.	.....	17800	.....	Village on plateau.
		15 ...	27 ...			.....	13500	S. and T. nil, F. G. W. available.	
	<i>Khartsar</i>	...	38 ...						
3	Satti <i>E.—</i>	12 ...	39 ...	Road fair down Shayok valley and then up Nubra	.....	Shayok ferry	10430	Ditto.	Village in fertile and cultivated valley.

<i>Tirü</i>	...	...	...	46	...	valley, passing several populous villages, well cultivated.	.....	Sunur Loongma Chamising "	10030	S. and T. scarce, F. G. W. procurable.	Ditto, orchards and much cultivation.
4 Tagar	...	15	...	54	...	.....	.....	.....	.....	.....	.....
<i>Chamising</i>	...	...	...	59	...	.....	.....	.....	.....	.....	.....
<i>Popchick</i>	...	...	...	61	...	.....	.....	.....	.....	.....	.....
5 Panamik <i>E.—</i>	...	13	...	67	...	.....	.....	Hot Springs	10840	S. F. G. W. and T. moderate.	Ditto, complete supplies here for onward journey.
<i>Pokachu</i>	...	...	...	69	...	.....	.....	Poka chu	.....	.....	.....
6 Chunglung <i>E.—</i>	...	11	...	78	...	Here leave Nubra valley.	Up Tutyalak ravine over Karawal Dawan	Hot Springs	10760	Ditto	Village last to be met in Ladakh.
7 Tutyalak or Pangdongsta. <i>Sartang</i>	...	11	...	81	...	Steep zigzag ascent and descent over pass.	.....	.....	17000.	.....	.....
	...	...	...	89	...	Road most difficult and dangerous from snow avalanches, moraine slips and sudden floods.	.....	.....	13000	S. and T. nil, F. scarce, G. W. plentiful.	Halting place under glacier.
	...	...	...	97	...	.....	.....	.....	15500.	.....	.....
	...	...	...	100	...	Cross 2 glaciers 10 miles long on watershed between Nubra and Shayok valleys.	Saser pass	.....	17500	.....	Yaks essential.
8 Brangsa Saser <i>E.—</i>	...	15	...	104	...	After crossing Shayok ford, turn eastwards up deep gully to Chung-tash and down	Cross Shayok valley.	... Shayok ford.	15204	S. F. G. T. nil, W. plentiful.	Huts on right bank Shayok river.
<i>Chungtash</i>	...	...	...	112	...	.....	Up Rout side valley.	.....	.....	.....	Winter route up and down latter. Lake.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
LXXVII ROUTE—contd.									
9	Bulak-i-Murghai	10 ...	114 ...	stony gully to Murgai. Hence road narrow, diffi- cult and risky from stone ava- lanches.	.....	.....	15100	S. F. G. T. nil, W. plentiful, springs.	Halting place.
	Burtse	...	127 ...		.....	.....	16000.		
10	Kizil Langar	16 ..	130	16700		Ditto	Camping ground.
	E—		136 ...	Ascend by steep and stony gorge to high plain, cross this barren plateau over spongy soil and descend by wide and deep gully.	Dipsang	.....	17800.		
			144 ...		plateau, cross Chipchak valley. ... ..	.....		
11	Daulat Beg Uldi	20 ...	150 ..		.....	.....	16880	Ditto	Ditto. Winter route from Leh joins here.
	Chajosh jilga	... ..	158 ...	.....	.....	18300	.....	.....	Practicable for laden horses.
12	Balti Brangsa	22 ...	172 ...	Gradual rise to pass over gravel and clay soil, then ascent sudden and steep, similar descent, then gra- dual down shingly gully.	Karakoram pass. Down Yar- kand valley.	.....	17180	Ditto	Halting place.
	E., Rock Shelter—			Road good	.....	.....	16000.		
	Wahab Jilga	... ..	186 ...	...	.....	.....

13	Aktagh or Malik Shah <i>E.—</i>	28 ...	200 ...	Road gradually rises over arid stony plateau to foot of pass.	Leave Yarkand valley.	.....	15590	Ditto, a little grass in summer.	Winter route diverges by Kugiar.
14	Chibira	10 ...	210 ...	Road ascends gradually to the Suget pass, flat on top for 3 miles and descends steeply down ravine, over moraine banks and granite boulders.	Suget Dawan. Down Suget and Karakash valleys.	.....	16480	S. F. G. T. nil, W. scarce.	Halting place.
			216 ...			.....	17618	.....	Yaks necessary, air rarefied.
15	Suget	21 ...	231 ...	Road follows course of Suget stream, then crosses Karakash river and along right bank of latter.	.....	Cross Suget stream several times. Karakash ford.	12970	S. and T. nil, F. G. W. plentiful.	Junction of Suget and Karakash rivers.
16	Shahidula	8 ...	239 ...	.....	.....	.....	11500	Ditto	Old fort erected by Maharaja of Kashmir. Kirghiz Camps around.
	<i>Adak</i>	... ..	244 ...	.....	.....	.....
	<i>Toghra Su</i>	... ..	247 ...	.....	.....	Toghra Su ford.			
17	Ali Nazar Kurgan	11 ...	250 ...	... ..	Up Kilian or Dair manluk valley.	.....	.....	Ditto	Kirghiz Camps and Fort.

Hence are 3 routes over the Kuenlun range to Kargalik and Yarkand.

I. By Toghra Su valley, Kilik pass and Tupa Diwan, path little known and closed by the Chinese authorities, grass and wood procurable at every stage, said to be the best for foot passengers.

II. By Kilian valley, Kilian pass and Kilian city, summer route as under.

III. By Karakash valley, Sanju or Grim pass and Sanju city, also summer route as in **LXXIX**.
The Chinese authorities sometimes block II, and at other times block III.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
LXXXVII ROUTE—contd.										
18	Bostan	10	250	260	..	.....	...	.....	S. T. nil, F. G. scanty, W. available.	Halting place.
19	Kara Chaglan Aiaqhe.	18	278	284	..	.....	...	.....	S. T. G. T. nil, W. available.	South foot of pass. Yaks necessary.
20	Tsch Kun Kilian.	16	294	..	..	Kilian Pawan. Down Tazgun valley.	...	17000	S. F. T. nil, G. scanty, W. available.	North foot of pass.
21	Basilik Aghse	12	306	..	..	.....	Crossed Tazgun torrent several times.	...	Ditto	Camping ground.
22	Chigulunk Aghse	15	321	..	..	...	...	.....	Ditto	Ditto.
23	Akshor	15	336	..	..	.....	.....	.....	Ditto	Hamlet.
	Saryk Aryk	..	346	..	..			
	Yut Kuduk	..	350	..	..	.....	Tazgun ford.			
24	Kilian	20	356	..	..	.....	.....	7000	S. F. G. W. and T. moderate.	Large village of 150 houses, where new supplies.

25	Bash Langat	14	370	...	dulating ground.	.....	.....	S. F. T. nil, G. W. available.	Village, buy fruit.
	<i>Doghri Kuprik</i>	...	377	...		.....	.....
26	Bora, Oasis	14	384	...	Road gradually rises over undulating ground for 8 miles and then along a chul flat to Kargalik.	.....	.....	S. and T. precarious, F. G. W. available.	Village in oasis, well cultivated, where join route from Sanju.
27	Besh Aryk	25	409	...	.....	.....	.....	S. and T. nil, F. G. W. moderate.	Village.
28	Kargalik	6	415	...	Across drainage of Tarim valley	.....	.....	S. F. G. W. and T. plentiful.	Large town and bazar, 1000 houses.
	<i>Kulchi</i>	...	422	...	Road from Kargalik to Yarkand through cultivated and watered country.	.....	Tezab ford.	S. F. G. W. and T. moderate.	Village, 300 houses.
29	Yak Shambah	11	426	...	.....	.....	.....	Ditto	Large village, 600 houses.
30	Posgam <i>C., E.—</i>	13	431 439	...	.....	.....	Tiznaf ford.		Hamlet.
31	Seh Shambah	9	448	...	.....	.....	Yarkand or Zarafshan ferry.	S. T. nil, F. G. W. plentiful.	
	<i>Longar Alim Akhoun</i>	...	454	...	.....	.....	Zulehak river		
32	Yarkand <i>P. O., E., C., E.—</i>	8	456 460	...	Good road through gardens and cultivation well shaded by trees for 9 miles from Yarkand, traversed by arbas.	.....	.....	S. F. G. W. and T. abundant.	Large and ancient city, Fortress, bazars, Residence of Governor, centre of trade.
33	Kok, Robot, oasis	25	481	...	Road through chul or stony desert.	.....	.....	S. and T. nil, F. G. W. plentiful.	Village, 400 houses.
34	Ak Robot <i>E.—</i>	15	496	...	.....	.....	.....	Ditto, W. brackish.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL, IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXVII ROUTE—contd.									
35	Kizil , <i>oasis</i> C, E.—	15	...	Good road through oasis, then over a chul or stony desert.	....	Kizil ford	3910	S. and T. nil, F. scanty, G. W. available.	Large village, 300 houses, iron works.
36	Topaluk	14	...	.....	....	.....	.....	S. F. T. nil, G. W. available.	Small village, iron works.
37	Yangi Hissar B, C, E.— <i>Sogholuc</i>	16	...	Good carriage road 25 feet wide traversed by arbas. The road is lined by trees and runs through a well watered and cultivated country, 6 miles from Yangi Hissar, 10 miles round Yapchan, and 9 miles from Kashgar.	....	Shahnaz Bridge.	4320	S. F. G. W. and T. plentiful.	Large town and fort, 600 houses.
38	Yapchan	25	...	.....	....	Crossed several branches of the Gez river.	4210	S. F. G. W. and T. plentiful.	Large village, 250 houses.
	<i>Tazgun</i>	...	...	.....	....	Tazgun bridge			
	<i>Karasu</i>	...	...	.....	....	Karasu "			
39	Yangi Shahr	15	...	.....	....	Kizil Su or Kashgar river.	4060	S. F. C. W. and T. abundant.	New city and fortress.
40	Kashgar P. O., B., C., E.—	5	...	.....	....	.....	4043	Ditto	Capital of Chinese Turkistan. Large and ancient city, bazars, centre of trade.

There are 3 improvements being made on the Kashmir side in this road from Leh. A new road over the Khardong pass with an easier gradient to summit, avoids the glacier on further side and descends to Shayok valley with a fairly easy gradient. Blasting of a road ($\frac{3}{4}$ mile through solid rock) up the mouth of the Tutyalak ravine to circumvent the Karawal Dawan, to avoid this high spur and shorten the distance.

New approaches on both sides to the great glaciers on the Saser pass.

From Yarkand, a road branches westwards to Tashkurgan in Sarikol by Yakarik 20 miles, over Shaitan kum desert to Kiziltagh 23 $\frac{1}{2}$ miles, Arpalik 15 $\frac{1}{2}$ miles, crossing two low passes, Kizil Diwan and Kara Diwan to Khalzak 21 miles, on the Charling river and up this valley by Tashkerim 14 $\frac{1}{2}$ miles, to Chehil Gombaz 19 miles, over Torat pass 13,400 feet, to Past Robat 9,370 feet 9 miles, Tarbashi 11,515 feet 8 miles, Shindi 17 miles, Tasbkurgan to Chehil Gombaz 19 miles—Total Yarkhand to Tashkurgan 188 miles.

10,270 feet 19 miles—Total Yarkhand to Tashkurgan 188 miles. From Yangi Hissar another road branches south-westwards and joins the foregoing at Chehil Gombaz 10,310 feet, by Ighizvar 19 miles, Aktala 17 miles, Sasak Taka 13 miles, Kaskasu 14 miles over Kaskasu pass 13,000 feet to Chehil Gombaz 8 $\frac{1}{2}$ miles—Total Yangi Hissar to Chehil Gombaz 71 $\frac{1}{2}$ miles and to Tashkurgan 124 $\frac{1}{2}$ miles.

From Tashkurgan 10,270 feet these roads continue in the same direction S. W. by Khaushabur 12,980 feet 17 miles, over Nesa Tash pass 15,000 feet, to Aktash 12,600 feet 18 miles, Ghazkul lake on Little Pamir 13,200 feet 46 miles, Langar 12,530 feet 25 miles, Sarhad 11,150 feet 24 miles, Kila Panja 55 miles—Total Tashkurgan to Kila Panja 185 miles.

LXXVIII LEH to YARKAND or KASHGAR by SHAYOK VALLEY, KARA KORAM and YANGI DAWAN PASSES.

Zamiatani or winter route when Shayok river is frozen over with thick ice. Drier, Trotter, Beller—Distances approximate.

Leh <i>P. O., D. B., C., E.—</i>	...	...	...	Up ravine north-east of Leh.	.....	11500	S. F. G. W. and T. abundant. Take through supplies and transport to Yarkand.	Large town, fort- capital of Ladak. Palace of Gialpoor of Raja. Residence of Wazir and British Joint Commissioner. Huts.
Sobu ...	...	...	5 ...	...	.....	...	S. F. T. nil, G. W. scanty.	Yaks necessary.
1 Polu ...	...	10 ...	10 ...	Digar or Laswan La, down Lung thung Loong- na.	.....	17900	...	Village on plateau.
2 Digar <i>E.—</i>	...	14 ...	24 ...	.....	.....	13080	S. F. T. scanty, G. W. plentiful.	

NUMBER OF MARCHES.	NAMES OF STAGES	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXXVIII ROUTE—contd....									
3	Agham, left bank ... E.—	...	24 ...	Road fair eastwards to Chang jungle, whence it turns northwards and becomes rough, in places rugged.	Up Shayok valley	Cross Shayok river 24 times between this and Murghai.	10500	S. and T. nil, F. G. W. plentiful, spring.	Village on left bank of Shayok river. Complete supplies here.
4	Pakra, right bank ...	12 ...	44 ...		.....	.....	11000	Ditto	Camping ground.
5	Chimechak, right bank.	10 ...	54 ...		.....	.....	11600	Ditto	Ditto.
6	Lamakyent, right or Shayok, left bank.	8 ...	62 ...	The river bed where crossed is sandy or gravelly.	.....	Shayok river frozen over 4 months in winter above this, when people travel over the ice.	12200	S. and T. nil, F. G. scanty, W. plentiful.	Village on both banks.
7	Chang Jungle, right bank. <i>Changthang Jilga</i> ... <i>Kubutar Khana</i> ..	18 ...	80 ..	Between Agham and Mandalik little snow falls, but above Mandalik to Brangsa continual snow in winter though the road is never closed.	.....		12800	S. and T. nil, F. G. W. plentiful.	Pasture ground. Junction of Chang Chenmo and Shayok road eastwards by Chumurti to Rudok. * Halting place.
8	Dong Aylak, left bank. <i>Yarghulak Fort</i>	18 ..	98 ...		.....	... ..	13000	Ditto	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXVII ROUTE—contd.									
16	Aktagh or Malik shah. <i>E.—</i>	28	...	Road rough down Yarkand valley to Kulan Uldi, thence northwards across Kuenlun range, head of Tiznaf valley and intermediate range and down Kugiar valley to Kargalik, passable throughout for laden animals.	.....	.....	15590	S. F. G. T. nil, W. available, a little grass in summer.	Leave summer route here.
17	Khufe lung	20	...		.....	.....	.....	S. and T. nil, F. G. W. available.	Camping ground.
18	Kashmir Jilga	12	...		...	.....	...	Ditto	Ditto.
19	<i>Kirghiz Jangal</i> Kukat Aghzi	26	...		.....	Cross Yarkand river several times.	12870	Ditto	Ditto.
20	Kulan Uldi	15	...	Up narrow, tortuous and deep gorge with easy ascent and descent to pass. Along course of Tiznaf river.	Up ravine northwards. Yangi Dawan. Down Tiznaf valley.	Yarkand ford	12650	Ditto	Ditto.
21	Chiragh Saldi	12	...			.....	15800. 14200	S. and T. nil, F. G. W. procurable.	Ditto.
	<i>Kirghiz Tan</i>	...	...		.....	Cross Tiznaf numerous times, in winter frozen over, in summer	.....	S. and T. nil, F. G. scarce, W. procurable.	Kirghiz Camps.
22	Gurunj Caldi	14	...	.....	.....		11900	S. F. G. T. nil, W. available.	Ditto.

23	Duba	...	...	345	...	.....	.....	.....	10000	.....	Pasture ground.
24	Khoja Mazar	...	...	351	...	.....	...	.....	9250	S. T. nil, F. G. W. plentiful.	Pakhp camps.
25	Chighlic	...	...	369	...	3 miles up river at Kughda-su are copper mines and works.	Tupa Dawan	Tiznaf ford	8250	S. F. T. nil, G. W. available.	Grassy flat with willows and poplars.
26	Ak Musjid	...	...	375	...	Very steep rise between hills of loose dust and similar descent very dusty.	Down Kugiar valley.	.....	10200.	.....	.....
	<i>Posar</i>	...	...	381	...	Road fair over gravelly waste and sandy desert, traversed by sandy ridges to about 3 miles of Kargalik, where cultivation begins.	.....	Kugiar ford	8500	S. F. G. T. nil, W. procurable.	amping ground.
27	Kugiar, oasis	...	...	399	...	Road good, 20 feet wide through well watered and cultivated country.	.....	.....	.....	.....	Huts.
	<i>C., E.</i>	...	...	405	...	.....	.....	.....	6460	S. and T. nil, F. G. W. available.	Village of 100 houses.
28	Yolaric, oasis	...	...	417	...	.....	.....	River bed	.....	Ditto	Hamlet.
29	Besht Aryk, oasis	...	...	429	...	.....	.....	.....	.....	Ditto	Ditto.
30	Kargalik	...	...	449	...	Across drainage of Tarim valley.	.....	.....	4370	S. F. G. W. and T. plentiful.	Town, 1,000 houses.
	<i>B., C., E.</i>	...	...	449	...	.....	.....	.....	.....	.....	.....
	<i>Kutchi</i>	...	...	461	...	Over cultivated plain with farms, meadows and marshes.	.....	.....	.....	S. F. G. W. and T. moderate.	Village, 300 houses, bazar.
31	Yakshamba bazar	...	...	465	...	.....	.....	.....	.....	.....	.....
	<i>B.</i>	...	...	470	...	.....	.....	.....	4300	S. F. G. W. and T. plentiful.	Large village, 600 houses, and bazar.
	<i>Posgam C., E.</i>	...	...	483	...	.....	.....	.....	.....	.....	Settlement.
32	Yangichak	...	...	484	...	Over cultivated plain, well stocked with trees.	.....	Yarkand or Zarafshan river.	.....	.....	.....
	<i>B.</i>	...	...	484	...	.....	.....	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXVIII ROUTE—contd....									
	Langar Ali Akhoon ...	...	484 ...	.....	.....	Zilchak bridge.	3923	S. F. G. W. and T. abundant.	Large town and fortress. Centre of trade, numerous bazars. Residence of Amban.
33	Yarkand P. O., B., C., E.—	12 ...	495 ...	Road good, 20 to 25 feet wide, lined with trees near the towns passing through a well watered and cultivated country.	.....	Opah bridge.	3830	S. and T. nil, F. G. W. plentiful.	Village, 400 houses.
34	Kok Robat, oasis C., E.—	25 ...	520 ...	Road traversed by arbas.	.....	.....	.....	S. F. T. nil, G. W. procurable.	Halting post.
35	Ak Robat	15 ...	535 ...	Crossed stony desert.	...	.....	3910	S. G. W. T. moderate, F. scanty.	Village, 300 houses and a few shops.
36	Kizil, oasis	15 ...	550 ...	Alternate cultivation and sandy plains.	.....	Kizil ford	.....	S. F. T. nil, G. W. scanty.	Iron mines and works.
37	Topaluk	14 ...	564 ... 575 ...	..... .....	..... .....	..... Shahnaz bridge.	.....	S. F. T. nil, G. W. plentiful.	Iron works.
38	Yangi Hissar	16 ...	580 ...	Road good through cultivation with 10 miles of pasture ground in middle of stage.	...	Crossed several branches of the Gez river on both	4320	S. F. G. W. and T. plentiful.	Fort and bazar. Town of 600 houses.
	Sila	...	590 ...						
	Khanka	...	594 ...						

39	Yapchan <i>Tazgun</i>	...	25	...	605	...	Road good through irrigated country watered by canals. Garden cultivation commences 3 miles from Yangi Shahr.	...	sides of Yap-chau Tazgun ford. Karasu bridge. Kizil su or Kashgar river.	4210	S. and T. nil. F. G. W. plentiful.	Village, 250 houses.
	Yangi Shahr	...	...	...	614	...	...	...	...	4063	...	New fortress and city.
40	Kashgar <i>P. O., B., C., E.—</i>	...	20	...	625	...	...	...	...	.....	S. F. G. W. and T. abundant.	Capital of Turkistan. Large town and bazars. Residence of Taotai. Centre of trade.

LXXIX LEH TO YARKAND AND KASHGAR by CHANG CHENMO, AKTAGH and SANJU PASS.

Drew, Biddulph, Tretter, Bellew, Henderson.—Distances approximate.

	Leh <i>P. O., D. B., C., E.—</i>	...	...	...	0	...	Road good	...	Up Indus valley on right bank.	.....	11500	S. F. G. W. and T. abundant. Take through supplies and transport to Yarkand.	Large town and fort. Capital of Ladak. Palace of Gialpoor Raja. Residence of Wazir and British Joint Commissioner.
1	Tikze <i>Tunglasha</i>	...	12	...	12	...	Road fair, for 12 miles, leave Indus and path turns up Sakti valley well cultivated.	...	...	Sabufoo	.....	S. F. G. W. and T. plentiful.	Large village and Monastery, much cultivation.
		...	...	...	16	4	...	...	...	Nang	...	...	...
		...	...	...	24	...	...	Up Sakti valley.	...	Sakti	...	...	...
2	Chimre <i>E. bad</i>	...	17	...	29	...	...	...	...	...	11890	S. F. G. W. and T. moderate.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m.	TOTAL. m. f.						
LXXIX ROUTE—contd.									
	<i>Sakti</i>	...	29 ...		.....	.....	15780	S. and T. nil, F. G. W. available.	Halting place.
3	Zingral <i>E.—</i>	8 ...	33 4	Gradual ascent and descent over pass, winding through rocks and bould- ers.	Chang La Down Changl ravine.	.....	17600	.....	Kailas range.
	Tsultak	8 ...	45 ...	...	Up Sushal valley.	.....	15950	Ditto	Lake, ditto.
4	<i>Durgu</i>	...	53 ...	Road along both banks of river to Tankse.	.....	Sushal bridge.			
		...	57 4	.....	.....	Sushal ford.			
5	Tankse	14 ...	59 ...	.....	.....	.....	12900	S. F. G. W. and T. plentiful.	Large village and store house.

From Chimiré 29 miles, there is a route northwards up the Mungri branch of the Sakti nala, to Tagnuk 10 miles, cross Waris La 17,300 feet, an easy pass of the Kailas range dividing the Indus and Shayok valleys, to Tavar 20 miles, where a cross road is joined starting from Satti on the Shayok river opposite Khar char eastwards and up valley to Agham 20 miles, Tayar 13 miles, cross Nobbok La to Durgu 24 miles, and Tankse 6 miles.

From Durgu there is also a branch road northwards 10 miles long to Shayok on the left bank of the Shayok river.
From Zingral 37 miles, there is another shorter route to Tankse 57 miles by the Kay La, 17,900 feet and Kay Tso down the Kay Loomba, but the pass is more difficult for laden animals.

From Tankse are paths southwards over high passes leading to Ugu and Shera on the Indus.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXIX ROUTE—contd.									
12	Kota Jilga	8	135	Road gentle ascent through a broad stony ravine for 4 miles and then steeper	...	...	16730	S. and T. nil, F. G. W. procurable.	Camping ground.
13	Pangtong	7 4	142 4	Gentle ascent to pass, high table land one mile, and bad road along ravine.	..... Chang lung pass.	.....	17250 18910.	Ditto	Ditto.
14	Samsungling	15	157	Gentle ascent to high table land, road fair	.. .. Cross west end of Lingzi thang plain.	.....	17310	S. F. T. nil, G. scanty, W. available.	Ditto.
15	Dehra Compas	19	176 4 178 ... 182 ...	..... Road good but stony.	Dehra pass Down Karakash valley.	Branch Karakash ford Karakash ford.	17890 18160.	S. F. G. T. nil, W. scanty by digging.	Ditto.
16	Shinlung or Dang lung	18	185 4 194 4	..... Road bad and stony across ice beds, slippery and difficult for laden animals.	.....	....	17030	S. G. T. nil, F. W. plentiful.	Ditto.

17	Kizil Jilga	...	14	4	239	...	.....	.....	Karakash river.	16360	S. and T. nil, F. G. W. procurable down valley. F. G. W. available.	Ditto.
	<i>Khusht Maidan</i>	...	...	...	257	...	Road stony and bad.	.....	.....	.....
18	Chung Tash <i>E.—</i>	...	23	4	262	4	.....	.....	.....	15740	S. F. G. T. nil, W. available.	Ditto.
	<i>Rock shelter</i>	...	...	...	264	4	Road leaves Karakash river, and ascends tributary, bad for 3 miles, and then across plain.	Up ravine	Cross stream several times.			
19	Shor Jilga	...	14	..	276	4	Road up ravine rough to pass with short sharp descent into open plain.	.....	.....	.....	Ditto.	Ditto.
	<i>Karatagh</i>	...	...	...	281	..	Road good over level plain.	Karatagh pass.	.....	17710.		
20	Karatagh <i>Tamba</i>	...	...	...	285	4	On right bank Yarkand river. Road over arid stony plateau.	.....	.....	16890	S. G. T. nil, F. W. procurable.	Lake.
21	Aktagh or Malik-shah <i>E.—</i>	...	22	4	308	...	.....	Yarkand valley. Up ravine.	.....	15590	S. F. G. T. nil, W. available.	Junction of Karakoram route.
22	Chibra	...	10	...	318	...	.....	.....	.....	16480	S. F. G. T. nil, W. scanty.	Few stone enclosures.
	<i>Kutas Jilga</i>	...	...	...	324	...	Gradual ascent to pass, steep descent into ravine, crossing high moraines of granite boulders on right bank Suget stream.	Suget Dawan. Down Suget valley.	.....	17600		Camping ground.
23	Suget <i>E.—</i>	...	21	...	339	...	.....	Down Karakash valley.	Cross Suget stream several times. Cross Karakash river	12970	S. T. nil, F. G. W. plentiful.	Junction of Suget and Karakash rivers.
					343	...						

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER-MEDIATE.	TOTAL.								
		m.	f.	m.	f.						
LXXIX ROUTE—contd. ...											
24	Shahidula Khoja	8	...	343	...	On left bank Karakash river, continues down this winding valley by a rough road.	.....	twice. Ditto, three times.	11780	S. T. nil, F. G. W. available.	Old fort erected by Maharaja of Kashmir. Kirghiz Camps around.
	Toghra su	...	...	352	...		.....	Toghra ford.			
	Ali Nazar Kurgan	...	...	356	...		.....	
	Kilian su	...	...	357	...	.....	Kilian ford	.....			Junction of valley, up which road diverges to Kilian pass.
25	Pillata gach	14	...	361	...	.....	.....	Forded Karakash river twice.	.....	Ditto	Pasture flat.
	Mazar Mirza Abubakar	...	...	367	...	Left Karakash valley turning up narrow glen to left, ascending a tortuous gully by a steep, narrow and rough path.	Up ravine.				
	Kichik Kara Koram.	10	...	371	...	.....	.....	Crossed torrent several times.	12050	S. F. G. T. nil, W. melted ice.	Halting place in gorge.
26	Zukongra	...	...	374	...	Falling stones, dangerous ascent up a narrow, wind-	Sanju Dawan or Grim pass.	.....	16300	.....	Yaks necessary.
	Koramlik jūla	...	...	378	...						
		...	...	382	...						

27	Gachaka	...	18	...	389	...	ing, rocky gully over landslips and great rocks. Ice field on top, then sudden drop down steep slope liable to avalanches of snow and along rapidly falling defile.	Down Sarighyar valley.	Crossed Sarighyar river by numerous fords.	10100	S. F. T. nil, G. W. available.	On Sarighyar river, Kirghiz camps in vicinity.
28	Tam E.	...	10	...	399	...	liable to avalanches of snow and along rapidly falling defile.	.....	.....	8750	S. T. nil, F. G. W. available.	Hamlet, cultivation on Sarighyar river.
	<i>Chuchuglan</i>	...	...	...	404	...	Road down narrow and winding defile.	.....	.....	.....	.....	Road to Chuchun pass 11,850 ft. on right and down Arpalik valley to Sanju.
29	Kiwaz	...	16	...	415	...	Road down an expanding valley for 4 miles and through fields and gardens to Sanju.	.....	Sarighyar ford.	.....	Ditto	Detached huts in flat sandy basin.
30	Sanju <i>U., E.</i>	...	12	...	427	...	Cultivation extends for 12 miles up and down river.	.....	Sarighyar ford.	6070	S. F. G. W. and T. ample.	Town of 1,200 houses on Sarighyar river. Country well cultivated, orchards and gardens.
	<i>Langur</i>	...	...	...	443	...	Road chiefly through desert over sand and gravel to Besh Aryk.	.....	Kilian ford	.....	S. T. nil F. G. W. moderate.	Village on Kilian river.
31	Kush tak	...	25	...	452	...	...	.....	.....	5760	S. and T. nil, F. G. scanty, W. plentiful.	Settlement.
32	Oi Tograk , <i>oasis</i>	...	20	...	472	...	...	.....	.....	5340	Ditto	Centre of farms along course of stream.
33	Bora , <i>oasis</i> <i>Besh argh, oasis</i>	...	...	...	484	...	Road good through irrigated fields.	Across Tiznaf valley.	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
	LXXXIX ROUTE—contd.								
34	Kargalik B, C, E— Yak shamba bazar C.—	...	490 ...	Road through populous and highly cultivated tract with occasional strips of marsh, tamarisk jungle and waste.	.....	.....	4370	S. F. G. W. and T. plentiful.	Market town of 1,000 houses, 300 houses.
35	Posgam E.— Langar Zilchak	25 ...	531 ...	.....	Across Yarkand valley. .....	.....	4200	S. F. G. W. and T. moderate.	Large village and bazar of 600 houses.
36	Yarkand P. O, B, C, E.— Sughu chak Rabat chi Kok Robot, oasis... B, C, E.—	17 ...	548 ...	Extensive garden cultivation. .....	.....	.....	3958	S. F. G. W. and T. abundant.	Aygachi boat ferry few miles below ford. Large city and fortress, centre of trade, residence of Amban. Post stage. Village of 200 houses.

38	Al Robot	589	..	Road over gravelly desert.	.....	.....	.. ..	2 Wells, W. brackish	Post stage.
	Kizil	603	..	Road over 10 miles of thin pasture, and then over waste and desert to Shahnaz.	.....	Kizil ford	3910	S. and T. nil, F. G. W. available.	Large village of 500 houses, iron works, brought from hills, 2 marches west. Village.
	Topalak	617	..	.....	.....	.....	.....	.....	.....
	Sugat Bulak	623	..	.....	.....	.....	.....	.....	.....
	Shahnaz	628	..	.....	Kayragh ridge.	Shahnaz bridge.	.....	.....	Post stage.
39	Yangi Hissar	633	..	Road over thinly cultivated country and saline plain or sandy wastes, with isolated scattered homesteads.	.....	Crossed two canal bridges.	4320	S. F. G. W. and T. moderate.	Small town of 4,000 houses and fort.
	Sogholuc	648	..	.....	.....	Khan Aryk bridge.	.....	.....	Garden.
		652	..	.....	.....	Kusan "	.....	.....	.....
		655	..	.....	.....	Three canal bridges.	4210	Ditto	Large village.
40	Yap chan	658	..	Road over plain of sandy waste, and marsh to the Karasu river, and then through high cultivated tract with orchards and gardens.	Across Tazgun valley.	Tazgun "	.....	.....	.....
	Tazgun	663	..	.....	.....	Karasu "	.....	.....	.....
	Karasu	667	..	.....	.....	.....	.....	.....	.....
	Yangi Shahr	673	..	.....	.....	.....	4043	.....	New fortress and city.
41	Kashgar	678	..	.....	.....	.....	.....	S. F. G. W. and T. abundant.	Large city, capital of Turkistan; residence of Taotai or Governor.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XXIX. GOGRA to SHAHIDULA by LINGZITHANG PLAINS, CENTRAL CHANG CHENMO ROUTE — <i>Hayward, Direc.</i> — <i>Distances approximate.</i>									
	Gogra	...	127 ..	Road good and passable throughout for laden animals from Chang Chenmo valley up the Kugrang valley, then branching up the Chung lung valley to the north-east, steep ascent and gradual descent, winding track along hill side, crossing many spurs and ravines.	Up Kughang and Chang lung valleys. ..... .....	..... ..... .....	15570	S. T. nil, G. scarce, F. W. plentiful.	Camping ground.
12	Shamal Lungpa	12 ...	139 ... 146 ...		Chang lung Burma or Cayley's pass. .....	..... .....	17020 19300.	Ditto	Path up eastern ravine to Chann lung Yokma La. Ditto.
13	Nischu	14 2	153 ...			.....	18630	S. F. G. T. nil, W. available.	Ditto.
	<i>Kala Pahar</i>	...	159 4		.....	.....	19300	.....	Sunshai plain.
14	Lingzi thang	16 4	169 4	Road good ...	Across the Lingzi thang plain. .....	.....	17680	S. G. T. nil, F. scarce, W. by digging.	Halting place.
15	Jangal	17 ...	186 4	Ditto	.....	.....	.....	S. F. G. T. nil, W. precarious.	Small ford.

16.	Sumna	...	21	4	208	...	4	Gentle ascent and descent. Road good	...	Kizil Diwan. Down Kizil Jilga ravine. .....	.....	17290	S. T. nil, F. G. W. procurable three miles down. S. T. nil, F. G. W. plentiful.	Camping ground. Two huge red rocks on Karakash river.
17	Kizil Jilga	...	9	...	217	...	...	Road excellent	...	Down Karakash valley.	.....	16360	S. T. nil, G. scarce, F. W. plentiful. S. F. G. T. nil, W. plentiful.	Numerous springs. Camping ground.
18	Khushk Maidan	...	17	...	234	...	...	Water disappears from ground for 11 miles. Road good	...	.....	.....	15740	.....	On right bank of Karakash river. Junction of Nala.
19	Chungtash	...	7	...	241	...	...	Road through narrow gorge in parts stony and bad.	...	.....	Hot springs	15500	S. T. nil, F. G. W. plentiful.	
20	Sumnal <i>E. good—Zinchin</i>	...	13	...	254	...	...	Valley opens out for 3 miles, then narrows and road is obstructed by huge boulders and masses of debris.	...	.....	Cross Karakash river often.	15540	.....
21	Tak Marpo <i>E. good—</i>	...	11	...	265	...	...	Valley opens out and road good.	...	.....	.....	15000	S. T. nil, F. scarce, G. W. plentiful.	Yellow rock on left bank.
22	Pulong Karpo <i>E. good—</i>	...	21	...	286	...	...	.....	...	.....	.....	14600	S. T. nil, F. G. W. abundant.	Huge rock on left of valley.
23	Sora <i>E. good—</i>	...	15	...	294	...	...	Road branches up broad valley over the Kuen lun range by Ilchi or Yangi Diwan pass to Khotan 160 miles distant.	...	.....	.....	14000	Ditto	Natural salt pans.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>							
LXXXIXa ROUTE—contd. ...										
24	Kara Jilga	17 ...	301 ...	...	Road bad ...	.....	Kara Jilga	.....	S. T. nil, F. G. W. abundant.	Mouth of small ravine.
25	Sungai E.—	25 4	343 4	4	Road hence N. E. to Khotan 10 days' march, crossing Kuenlun range by Hindu tagh pass over glacier, 17,379 ft.	.....	.....	.....	Ditto	Camping ground on right bank Shayok
	Fotash F. left bank ...	...	350	4	Path up Fotash ravine over difficult pass to Tumba thus avoiding Suget pass.	.....	.....	12390	Ditto	Kirghiz ditto on right bank of Karakash river.
26	Gul bashem	17 ...	360	4		.....	.....		Ditto	Ditto.
27	Bulakchi	10 ...	370	4	Pass jade quarries at foot of Kuenlun range, join road from Suget pass, road good.	.....	.....		Ditto	
28	Shahidula E.—	13 ..	383	4	.....	.....	.....	11780	Ditto	Old fort on left bank of Karakash river.

LXXX LEH to KHOTAN by ILCHI or YANGI DEWAN PASS—Johnson.—Distances approximate.

Leh	...	...	...	...	...	Road good and passable for laden animals.	Up Indus valley.	.....	11350	S. F. G. W. and T. abundant.	Capital of Ladak, large town and fort. Palace of Gialpoor Raja. Village and Monastery.
1 Tikze	...	13	...	13	...	.....	.....	.....	.....	S. F. G. W. and T. plentiful.	
2 Chimre	...	16	...	24	...	.....	Up Sakti valley.	.....	.....	S. F. G. W. and T. moderate.	
<i>Sakti</i>	...	...	...	29	...	.....	.....	.....	.....	.....
3 Zingral	...	11	...	35	...	Very steep ascent from Sakti to Zingral.	.....	.....	.....	S. F. G. W. and T. nil, F. G. W. available.	Ditto.
	...	...	...	40	...	.....	.....	.....	.....	.....	Large village, well cultivated.
	...	...	...	44	...	Ascent to, and descent from, pass easy.	Chang La. Down Chang ravine, up Durgul valley.	.....	.....	.....	Halting place.
4 Durgu	...	15	...	55	...	Road on both banks of Durgul river.	.....	.....	.....	S. T. nil, F. G. W. procurable.	Small village, well cultivated.
5 Tankse	...	7	...	62	...	.....	.....	Cross Durgul river several times.	.....	S. F. G. W. and T. plentiful	Small village, central store depôt.
<i>Mugtib</i>	...	...	...	69	...	.....	.....	.....	.....	.....	Hamlet.
6 Sowar or Chiri	...	13	...	75	...	.....	.....	.....	.....	S. T. nil, F. G. W. available.	Small lake, no houses.
<i>Lakum</i>	...	...	...	85	...	.....	Up Loonkur valley.	.....	.....	.....	Pangong Lake western end.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXXX ROUTE—contd.									
7	Chagra	...	85 ...	Road good ...	.....	.....	14917	S. T. nil, F. G. W. available.	Shepherds' Camp.
8	Rimdi	...	15 ...	Descent boggy from snow.	Marsimik La	.....	18990	.....	Pang lung range.
9	Pamchalam	...	11 ...	.....	A cross Chang Chenmo valley	..	.....	Ditto, F. scarce.	Grazing ground.
10	Kiam	...	14 ...	.....	.....	...	.....	S. T. nil, F. G. W. plentiful.	Ditto.
		...	12 ...	On left bank of Chang Chenmo river.	.....	Hot spring 179° Sulphur and Soda.	17045	Ditto	Ditto.
			127 ...	Road level ...	.....	Cross Chang Chenmo river several times.			
11	Lumkang	...	18 ...	On right bank of Chang Chenmo river.	Up ravine	Chang Chenmo ford.	17501	S. T. nil, F. G. scarce, W. plentiful.	Halting place.
			145 ...	Road good and ascent gradual.	Lum kang La	.....	19501.		
12	Nischu	...	20 ...	Road good ..	.....	.....	17680	Ditto, G. nil.	Ditto
13	Burcha thang	...	18 ...	Ditto	Lingzi thang plains.	.....	17425	S. F. G. T. nil, W. available.	Ditto

14	Tso thang	...	20	...	203	...	Soil covered with 6 inches saltpetre.	.....	.....	17024	Ditto	Small lake, salt.
15	Huzak har	...	15	...	218	...	Road fair	.....	.....	16684	Ditto	Small lake, fresh spring.
16	Mapothang	...	16	...	234	...	.....	.....	.....	15959	S. F. G. T. nil, W. brackish.	Small lake, water brackish.
17	Yangpa	...	25	...	259	...	Ditto soil covered with 9 inches saltpetre.	Up ravine ...	.....	15279	Ditto, W. brackish.	.....
18	Kara Kash river...	...	18	...	267	...		Khatai Diwan.	.....	17500		
					277	...	Road hence along left bank of Karakash river to Shahidula.	Across Karakash valley.	Karakash ford	15491	S. T. nil, F. W. plentiful, G. scarce.	Stone huts.
					286	...			.....	19092	.....	Kuenlun range.
19	Tash	...	19	...	296	...	Ascent to pass steep and difficult, much ice, descent rugged.	Yangi Diwan.	.....	15383	Ditto	Stone huts.
20	Kush lash langar	...	13	...	309	...	road steep and bad, passable in June, July and August.	Across Yangpa valley.	Yangpa ford.	15048	S. F. G. T. nil, W. available.	Ditto.
21	Brinjga	...	22	...	331	...	.....	Naiia Khan pass.	.....	18660		
						...	Road bad, ascent to pass steep over large glacier, descent abrupt over glacier through granite rocks; road rocky and dangerous.	Down Yuring Kash or Khotan valley.	.....	11755	S. T. nil, F. scarce, G. W. plentiful.	Grazing ground. Wild senna plant.
22	Kapas	...	10	...	341	...			.....	10650	S. T. nil, worse grass and reeds, W. plentiful.	Stone hut.
23	Karangotak	...	16	...	357	...			.....	8735	S. T. nil, F. G. W. moderate.	Village of 500 houses, trees and cultivation.
					364	...	.....		Khotan ford.			

NUMBER OF MARCHES	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
LXXX ROUTE—contd. ...									
24	Pisha	...	364 ...	.....	.....	.....	8643	S. T. nil, F. G. scarce, W. available.	Village, 20 houses.
25	Bula	15 ...	372 ...	.....	Up ravine Bisha Diwan. Down Sirisu ravine.	.....	7692 10400	S. T. nil, F. scarce, G. W. plentiful.	Village, 100 houses.
26	Yangi langar	10 ...	382 ...	Ascent and descent of spur very steep, road bad, down rocky bed.	.....	.....	5930	Ditto	Village, 30 houses.
27	Kumat langar	29 ...	411 ...	Road good	.....	.....	5790	Ditto	Village, 150 houses.
28	Bezilia	5 ...	416 ...	On right bank Sirisu.	.....	.....	4678	S. F. G. W. and T. plentiful.	Village and bazar. 1,000 houses.
29	Ichi B., C., E.—	10 ...	426 ...	Road sandy through well cultivated plain.	.....	.....	4320	S. F. G. W. and T. abundant.	Capital of Khotan, population 40,000. Town, fort, large bazar, country well cultivated.
		11 ...	437	Town on left bank of Khotan river.	.....	Khotan ford difficult.			

Mr. Drew gives from Tso thang 17,100 feet, to Lokzhung 17,200 feet 16 miles, Thaldat 16,300 feet 15 miles, Yangpa 16,200 feet 30 miles, E. Karakash valley 15,000 feet 24 miles, Shahidula 11,500 feet 81 miles, as taken by Adolphe Schlagentweit. Also a diversion as taken by Dr. Cayley from Thaldat 16,300 feet, to Patsalung 16,400 feet 20 miles, Camp 15,900 feet 21 miles, E. Karakash valley 15,000 feet 12 miles.

LXXXa KARGALIK to KIRIA in KHOTAN by ILCHI—Johnson, Lansdell.—Distances approximate.

	Kargalik	...	...	0 ...	Carriage road over cultivated ground to Khush Langar, and thence over alternate chul and sandy desert, stony and arid to near Gtina.	.....	.....	.....	4370	S. F. G. W. and T. plentiful.	Large town of 1,000 houses.
	<i>Lob</i>	...	...	8 ...	...	...	...	...	.....	S. F. G. T. nil, W. scanty.	Picket station.
1	<i>Yakin Langar</i>	...	...	13 ...	...	...	...	...	.....	Ditto	Walled garden.
	Khush Langar <i>B.—</i>	...	17 ...	17 ...	...	...	...	...	.....	Ditto	Picket station.
2	Chulak Langar <i>B.—</i>	...	16 ...	33 ...	.....	.....	.....	.....	.....	Ditto	Walled garden.
	<i>Silak Langar</i>	...	...	42 ...	.....	.....	.....	.....	.....	Ditto	Garden.
3	Hajif Langar <i>B., E.—</i>	...	14 ...	47 ...	.....	.....	.....	.....	.....	Ditto	Garden.
4	Guma <i>B., C., E.—</i>	...	9 ...	56 ...	Traversed about three miles cultivation and plunged into sandy desert and chul to Janghnia.	.....	.....	.....	4340	S. F. G. W. and T. moderate.	Large town and bazar.
	<i>Cholo</i>	...	...	59 ...	...	...	...	...	.....	.....	Village of 60 houses.
	<i>Mukhi La Langar</i>	...	...	66 ...	...	...	...	...	.....	.....	Village of 60 houses.
	<i>Chuda, oasis</i>	...	...	68 ...	.....	.....	.....	.....	.....	.....	Large village.
	<i>Chuda, oasis</i>	...	...	76 ...	.....	.....	.....	.....	.....	.....	Large village.
5	Moji, oasis	...	25 ...	81 ...	Hence road fifteen miles to Sanju.	.....	.....	.....	4290	S. T. nil, F. G. W. available.	Ditto and bazar.
	<i>Kosha Langar</i>	...	...	83 ...	...	...	...	...	.....	.....	Ditto and bazar.
	<i>Kondla Langar</i>	...	...	91 ...	...	...	...	...	.....	.....	Ditto and bazar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXXa ROUTE—contd.									
6	Janghnia	14	91	Hence road to Sauju, traversed some cultivation and then all sandy desert.	.....	.....	.....	S. F. G. W and T. moderate.	Village, fort and bazar.
7	Pialma <i>C., E.—</i>	22	117	Cultivation for two miles then region of sand hills for three miles.	.....	.....	4342	S. T. nil, F. G. W. available.	Small village and bazar.
8	Ak Robat <i>Tabuzhas Langar B. ...</i>	15	132		.....	.....	.....	Ditto, deep well.	Mazar or tomb of Imam Mohamud Shah.
9	Zawa Kurghan <i>C., E., oasis.</i> <i>Ak Serai B.</i> <i>Do Shambah</i>	13	145	Road fair through cultivated country.	.....	Bridge	4430	S. F. G. W. and T. moderate.	Small town walled, customs post.
		...	159	.....	.....	Karakash ford.	.....	.....	Bazar.
		...	174	Road through irrigated fields, orchards and gardens.	.....	.....	.....	.....
10	Ichi <i>B., C., E.—</i>	20	165	Road good through cultivation to Dol Langer, then	.....	.....	4390	S. F. G. W. and T. abundant.	Capital of Khotan, large town and fort. 40,000 population.

	<i>Yurung Kash</i>	...	...	168	4	sandy plain covered with jungle.	.....	Yurung Kash ford.	4121	.....	Bazar of 500 shops.
	<i>Lob</i>	...	...	179	...	.....	.....	.....	4420	S. T. nil, F. G. W. available. Ditto	Village, 150 houses. Halting place.
11	Dol Langar	...	17	182	...	.....	.....	.....	4220	S. F. G. W. T. plentiful.	Town of 600 houses.
12	Besh toghrak Langar.	...	15	197	...	.....	.....	.....	...	S. T. nil, F. G. W. available. S. F. G. W. and T. ample.	Village, 10 houses. Large town of 7,000 houses on right bank of Kiria river.
13	Chira <i>B., C., E.—</i>	...	20	217	...	Takla Maklan desert three miles north.	.....	Chira ford.	...	.....	.....
14	Karakia	...	25	237 242	...	.....	.....	.....	4580	.....	.....
15	Kiria <i>B., C., E.—</i>	...	28	270	...	Road sandy until Kiria river, then through cultivations and gardens.	...	Kiria bridge.	.....	.....	.....

The Sorghak goldfields 7,060 feet, are distant 64 miles from Kiria eastwards in 3 marches.

From Kiria there is a frequented track southwards by Polu, 8,430 feet 55 miles, over the Kuenlun range by the Diwan pass to Ghubolik 16,960 feet, Lake with sulphur mines 43 miles, and across the Chantang and Chang Chemmo plains by the Ye-hil kul 16,160 feet, the Tashliak kul 16,620 feet, and the Mangtza lakes to Noh 245 miles, and Rudok 20 miles—Total distance from Kiria by Noh and Tankse to Leh 550 miles.

LXXXI LEH to RUDOK by PANGONG LAKE—*Map, Johnson.*—Distances approximate.

	Leh	} See Route LXXX towards Chang Chemmo valley and Khotan.
5	Tankse	62	...	

Hence there are two routes to Rudok, one north and one south of the Pangong Lake.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXXI ROUTE—contd.									
	<i>Muglib</i>	...	...	From Tankse, road up valley, which narrows to a gorge and then opens out by Muglib, crosses grassy swamp and ascends two miles among rocky boulders.	Up Pazar valley.	.....	.....	S. T. nil, F. G. W. scanty.	Shallow pond, dry in summer.
6	Chakar Talao	14	76		.....	.....	.....
7	Lukung	7	83	From Chakar Talao road continues up valley to the plain at end of Pangong Lake.	Up Loonkur valley.	.....	14130	Ditto	Two miles, N. W. end of Pangong Lake. W. salt.
8	Chagra	8	91	Road good all the way to foot of pass.	.....	.....	15090	S. T. nil, F. scanty, G. W. plentiful.	Pasture ground.
9	Charkang	8	99	Gradual ascent to summit, whence road turns eastwards over elevated ground called the Kieu La into the head	Marsimik La	.....	.....	S. T. nil, F. G. W. procurable.	Southern foot of pass.
			100		Kieu La.	.....	18420.		
			104		Down Kieu valley.	.....		

10	Pangur Gongma	10	6	110	...	of the Kieu valley which drains down into the Pangong Lake.	.....	Kim Stream is difficult to cross in summer.	17670	S. T. nil, F. G. W. scanty.	Eastern foot of pass.
	<i>Ningri</i>	...	...	...	...		.....		16250		
11	Niagan	...	13	123	...	Good road up this branch valley to the head, where it crosses two passes and descends into the Tal valley.	Up Tso Kiok valley.	.....	15390	S. T. nil, F. G. W. available.	Junction of three valleys.
12	Kaisarpo	...	12	135	...		.....	.....	16000	Ditto	Halting place.
				143	...		Tso Kiok La	.....	17300		
				144	...		Demjor La Down Tal valley.	.....	17700		
13	Gonu	...	12	147	...	Road along river bed and then crosses Salam spur.		.....	.....	S. T. nil, F. G. W. scanty.	Frontier post.
14	Chuzan	...	13	160	...	Road fair over the pass and down the ravine.	Up ravine	Springs	15840	S. T. nil, F. G. available, W. springs.	Grassy plain.
				166	...		Dingo La. Down Toba Ruberg ravine.	"	.....	Ditto	On northern shore of Pangong Lake.
15	Pal	...	20	180	...	Stony road along northern shore of two fresh water lakes, Tso Rum and Tso Nyak.					
16	Dobo Nakpo	...	8	188	...		.....	.....	14020	S. T. nil, F. G. W. scanty.	On northern bank of Tso Rum.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXXI ROUTE—contd. ...									
17	Noh	...	188 ...	.....	.....	Naichu Loomba.	.....	S. T. nil, F. G. W. scanty.	On northern bank of Tso Nyak, small village of 25 houses.
18	Rudok	...	20 ... 227 ...	.....	.....	...	...	Ditto	Village and chief place in Rudok.

Or along southern shore of Pangong Lake, 40 miles long by 2 to 4 miles broad 13,936 feet. W. salt.

7	Lukong <i>Spang mik.</i> —	...	83 ...	Fair road, but stony along the southern margin of the Pangong Lake, which is here quite open to Thakung.	.....	...	14130	S. T. nil, F. G. scanty	Two miles from N. W. end Pangong Lake. W. salt.
8	Mang south bank	13 ...	90 ...	.....	.....	.....	13940	S. T. nil, F. G. W. available.	Hamlet.
	<i>Mirak</i> —		104 ...	.....	.....	.....	.....	.....	Small village.
9	Kark pet south bank	10 ...	107 ...	.....	.....	.....	14000	S. T. nil, F. G. W. scanty.	Hamlet.
10	Thakung south bank	7 ...	114 ...	Hence the mountain spurs come	.....	Saka Loongma	.....	S. T. nil, F. G. plentiful.	Halting place.

11	Yula south bank	...	15	...	129	...	down close to the Lake and the road along the shore is winding and rough.	.....	Yula ravine	.....	W. scanty. S. T. nil, F. G. W. precarious.	Ditto.
12	Aot south bank	...	15	...	144	...	At east end of Pangong Lake, which is connected with the Nyak Tso by a long narrow channel fordable at Aot. Hence good but stony road continues along northern shore of Nyak Tso to Pal, and thence along northern shore of 2 small lakes, Rum Tso and Nyak Tso, to Noh. Rudok is on the southern side of the latter lake.	.....	Pangong ford	.....	S. T. nil, F. G. W. plentiful.	Pasture ground. About 3 miles. N. W., is the ruined fort of Kharnak. Camping ground.
13	Dal north bank	...	12	...	156	...		.....	Dal Loomba	.....	Ditto	Ditto.
14	Pal north bank	...	21	...	177	...		.....	Pal	.....	Ditto	Ditto.
15	Noh	...	20	...	197	...		.....	Naichu	.....	S. T. nil, F. G. W. scanty.	Small village of 25 houses.
16	Rudok	...	20	...	217	...		.....	.....	.....	Ditto	Village, chief place of Rudok.

From Noh, there is route northwards up the Naichu valley over the Kiang La, by the Mang Tza lake, 16,600 feet, over an extensive elevated plateau 16,880 feet, and the Diwan pass by the Ghubolik lake and sulphur mine 16,960 feet to Polu 8,430 feet and Kiria in Khotan 4,580 feet in length. Colonel Trotter, R. E., writes that, according to Mr. Moorcroft, this was part of an ancient highway from Koblund northwards to Turkistan starting from Nujibabad (whence a branch railway has just been made 15 miles to Kotduara at foot of the hills), 210 miles long to the Niti pass 16,676 feet, thence crossing the Sutlej river at Totling 12,200 feet, where there is an ancient iron suspension bridge, and crossing the Bogo La 19,210 feet into the Indus valley at Gartok 14,240 feet, it follows this river to Demchok and crosses the Jara pass northwards to Rudok and Noh about 275 miles.

From Noh to Kiria in Khotan is 343 miles, from Kiria to Kargalik 270 miles and from Kargalik to Yarkand 42 miles - Total 1,140 miles.

NUMBER OF MARCHES	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL						
		m.	f.						
LXXXII.—LEH TO GAR—Map, Montgomerie, Dec.—Distances approximate.									
	Leh <i>P. O., D. B., C., E.—</i>	...	...	} See Route LXXX Ascend S. E. valley, road rough and stony, passable for laden animals. Road easy along wide plain extending to the head at Kangta La, the approaches of which are easy on both sides. The road thence descends down the Yara ravine to the Shushal plateau.	towards Chang	Chenmo valley and Khotan.	12900	S. F. G. W. and T. plentiful.	Junction of 5 valleys.
5	Tankse	...	62 ...		Up Harong valley.	.....	.....	S. F. G. W. and T. plentiful.	
			65 ...		.....	Chumik Loongma.	.....	
6	Erad	9 ...	71 ... 76 ...		..... Harong La. Up Harong or Kailung valley.	.....	.....	S. T. nil, F. G. scanty, W. plentiful.	Huts. Neck over spur projecting into valley. Tartar camp.
7	Bulchen	10 ...	81 ...		.....	Bulchen Loongma.	.....	Ditto	
			87 ...		.....	Kailung do.	.....	
8	Loi yugma	12 "	93 ...		.....	.....	.....	S. T. nil, F. G. W. available.	Pasture ground.
			102 ... 109 ...		.....	.....	.....	Ditto	Ditto.
9	Burma	9 ...			Kangta La. Down Yara	.....	.....

10	Shushai <i>Thin</i> —	...	16	...	118 ... 126 ... 4	..... .....	ravine, up Shushai valley. .....	..... Spring and Bobsang nala.	14200	S. F. G. W. and T. moderate.	Village and store house. Road branches W. to Mirpa Tso 13 m. Halting place.
11	Dachung	...	16	...	134 ... 140 ...	Ascent and descent over pass easy.	..... Tsaka La. Down Tsaka valley.	..... .....	..... 15200.	S. T. nil, F. G. W. available.	
12	Ralmang	...	11	...	145 ...	.....	.....	.....	.....	Ditto	Hamlet, Goupa Lama, Serai 1 m. distant.
13	Dungti	...	12	...	157 ...	Road on both sides of the Indus river.	Up Indus valley.	Indus ford	... ..	S. T. nil, F. G. scanty, W. plentiful.	Bend of Indus river where it turns from S. W. to W. course.
14	hang	...	12	...	169 ...	Hence road ascends left bank of the Indus in a broad valley and through low hills between Tashi- gong and Dem- chok.	Ditto left bank	Indus "	... ..	Ditto	Halting place.
15	Khangra	...	12	...	181 ...		.....	.....	.....	Ditto	Ditto.
16	Tashigong	...	10	...	191 ...		.....	Koyul Lungpo	.....	Ditto	Kashmir territory.
17	Demchok	...	26	...	217 ...	Hence upper valley narrows with a lofty range of mountains on the western side.	.....	.....	.....	.....	Chinese, Thibet whence road northwards over Jara La to Rudok.
18	Tashingong	...	20	...	227 ...		.....	.....	13020	.....	Chinese Thibet.
19	Junction of Singh- Gi-Chu.	...	8	...	235 ...	Road up the left bank of the more western branch,	... ..	.....	.....	.....	Eastern branch of Upper Indus.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		THE OF NATURAL ROUTES.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.	m.	f.				
LXXXII ROUTE—contd.									
20	Gar Gunsa	26	...	261	...	...	14140	.....	Chinese Thibet, centre of trade in winter.
21	Longong	20	...	281	...	.....	.....	.....	Chinese Thibet.
22	Gartok	30	...	311	...	.....	14240	.....	Chinese Thibet, centre of trade in summer.

From Gartok there is a road south-westwards over the Bogo La 19,920 feet 25 miles, to Totling 12,190 feet 22 miles, in the Sutlej riv. across which there is an ancient iron suspension bridge, thence southwards by Daba 25 miles, to the Niti pass 16,570 feet 23 miles, on the British frontier—Total distance from Gartok 95 miles.

Firstly.—LXXXIII LEH TO HANLE—Maps, Montgomerie, Drew.—Distances approximate.

There are 3 routes from Leh to Hanle :—
 I by Tankse and Shushal.
 II by Indus valley.
 III by Rupshu and Puga.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
<i>Secondly.—LEH to HANLE by INDUS VALLEY.—This is the shortest route of the three—</i>									
8	Leh	...	...	See Route LXVI, stages 29 to 37. Road fair along right bank of Indus valley to Nima Mud where it crosses the Indus by the most convenient ford, thence up a d-file joins the road up the Hanle valley to Hanle.	Up Indus valley.	Mahiye foo Polalung " Nima " " Gachang " Indus ford.	13500	S. F. T. nil, G. W. available.	Pasture on left bank.
	Mahiye on right bank	...	108						
		...	116						
		...	121						
		...	124						
9	Nima Mud ditto	...	...		...	...	14000	S. T. nil, F. G. W. plentiful.	Two small villages.
		...	132		...	...	
		...	137		Sangthung La.	...			
10	Shol foo	13	4	...	Up Hanle valley left bank.	...	...	S. T. nil, F. G. W. procurable	Halting place.
11	Mankhang	...	12	...	...	...	...	Ditto	Ditto.
12	Hanle	...	19	...	...	...	14276	S. F. G. T. W. moderate.	Village, large Monastery and Thana.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
LXXXIII ROUTE—contd.									
10	Nidar on left bank...	... ..	127 ...	Crosses road which leads southwards to Ooti and Chumar. Road fair, leaves Indus river and goes southwards through a rocky gorge and up a stony valley over a low ridge and down a ravine to the Hanle valley, then ascending latter over long gravelly plain and turf saline meadows.	... ..	Nidar	.....	S. F. T. nil, G. W. available.	Opposite Nimu.
11	Takalung on left bank.	10 ...	139 ...		Up ravine	Takalung "	.....	S. T. nil, F. G. W. available.	Halting place.
12	Chumik	12 ...	149 ...		Sangpoche La. Down ravine up Hanle valley left bank.	Chumik "	.....	S. T. nil, F. G. W. scanty.	Spring 4 miles up ravine.
13	Sangoisang	13 ...	156 ...		.....	Sangoisang "	.....	Ditto	Halting place.
14	Hanle E.—	13 ...	161	14276	S. F. G. and T. moderate.	Village, large Monastery and Thana.
			174 ...						
			187 ...						

ROUTE.		By RAIL.	By ROAD.
LXXXII LXXXVII	Amritsar to Pathankot Pathankot by Chamba and Kirshtwar to Leh Leh to Yarkand, summer route	67	440 456
	Total	67	896
	If a railway be made from Pathankot by Kangra to Palampur, 90 miles, the rail distance will become 175 miles and the road distance from 558 miles.		
LXXI and LXXXVII XLII and LI LXXXVII	Palampur by Kulu, Lahoul, Zaskar and Leh to Yarkand. Amritsar to Rawul Pindi ... Rawul Pindi by Srinagar to Leh ... Leh to Yarkand, summer route	211	441 456
	Total	211	897
LXI LXIV and Foot Note to LXXXVII	Amritsar to Kala Serai Kala Serai by Abbottabad and Chilas to Gilgit Gilgit by Hunza and Sarikal to Yarkand	231	293 426
	Total	231	719
	If a railway be made from Kala Serai by Abbottabad to Balakot in the Khagan Valley, 90 miles, the rail and road distances will be increased and decreased accordingly.		

To every route there are variations, which are adopted according to season, the state of the passes, the river floods and ice, and the condition of the water, fuel and grazing at the stages.

The routes by Srinagar and Leh are at present resorted to, as Srinagar and Leh are entrepôts of the trade, where the goods can, if required, change hands, and both supplies and transport are abundant.

The Abbottabad, Gilgit and Sarikal route is now being opened out and the road distance being the shortest, is likely to be favoured, especially

if Gilgit were to become an entrepot of trade.

It is probable that all the routes, except the first, by Simla, Kangra, Chamba, Srinagar and Gilgit will continue to be used, as wood, fuel and grass for pack animals on each is limited and would be exhausted in time, if one route only were adopted.

In time a railway from Kala Serai, Hariipur, for Kela Derband and up the Indus valley to Bunji and Gilgit would form the best approach to command the trade of Central Asia. The distance by railway would then be roughly, Amritsar to Kala Serai 231 miles, Kala Serai to Derband in Indus valley 50 miles, Derband up the Indus valley to Bunji 4,631 feet 250 miles, Bunji up the Gilgit valley to Gilgit 4,890 feet 40 miles—Total by rail 511 miles, and by road 426 miles.

INDEX.

	PAGE.		PAGE
AARNAS	XIV 42	Awantipur	LII 196
Abbottabad	IXa 19	Do.	LII 196
Do.	XXVII 100	Do.	LII 196
Do.	XLIII 142	Do.	LII 196
Do.	XLIIIc 146	Do.	LIII 200
Do.	LXI 251	Do.	LIV 206
Abdulhun	XLVIIc 167	Do.	LV 211
Abid	XIII 37	Do.	LVI 227
Abring or Rooshool	Llc 195		
Do.	LIV 205	BABA MARISHI	XIIIb 41
Achibal	LII 196	Babusar	LXI 246
Adampur	LXXI 319	Badagam	XLVIIIc 167
Adumper	LVla 238	Do.	La 181
Agram	XLIIIId 264	Do.	Lb 182
Ajnala	II 5	Badi	LVI 235
Aknoor	VIII 13	Badrawar	XVII 64
Do.	IX 16	Badwani in Mandi	LXXI 316
Do.	X 20	Bagalade Chuk	XIXa 83
Do.	XI 29	Bagh	XXIX 103
Do.	XII 30	Do.	XXIX 103
Do.	XIII 37	Do.	XXIX 104
Do.	XXI 88	Bagham Ferry	XLI 134
Do.	XXXVII 122	Bagni	XVII 65
Aktala	LXIV 271	Do.	LV 212
Aleh	XIX 77	Do.	LXXII 324
Aliabad Serai	XII 31	Bagnota	XXVII 100
Do.	XIIb 34	Baljnath	LVI 231
Do.	XXXVIII 124	Do.	LXXI 317
Do.	XXXV 117	Bajaora	LX 219
Do.	XXX 105	Do.	LXX 307
Alsu	XLVIa 156	Bala	X 23
Alumgir Serai	VII 12	Balagran	LX 245
Alwas	LXXIIa 328	Balakot	LXI 251
Amaranath Cave	XVa 55	Baltal	L 176
Do.	LIb 193	Do.	LI 189
Amirpur	VII 12	Do.	LIb 193
Do.	VIII 13	Bamonkoti	LV 215
Amritsar	I 3	Ban	XIIa 33
Do.	II 5	Banabali Nag	XXXIII 111
Do.	LXXII 326	Banasu	XIV 42
Angril	XIV 42	Bandipur	XLVIa 156
Aripatan	XXXIIIa 113	Bandraoli	LXVII 286
Arja	XXXVIII 101	Baneti	LVb 225
Arkari	LXIIIId 264	Baramgalla	XII 31
Arphal	LII 197	Do.	XIIc 35
Aru	LIIa 192	Do.	XXXVa 118
Do.	LII 197	Do.	XXXV 117
Arundo	LXIV 273	Do.	XXXVIII 125
Arwan	XLVI 154	Baramulla	XIIIb 41
Do.	XLVII 157	Do.	XXX 105
Asar	XVI 57	Do.	XXXIa 109
Ashdari	LV 213	Do.	XXXI 107
Ashpura	XLIIIa 143	Do.	XLI 131
Ashreth	LXIIIc 262	Do.	XLIII 136
Askole	XLIXa 173	Do.	XLIII 141
Asmas	XVII 64	Do.	XLIIIa 143
Astor	Ld 186	Bara Bhagal	XVIII 71
Do. (Idgah)	X 24	Barahat	LXVIIa 298
Do.	XLVII 158	Barakao	XLII 139
Do.	XLVIII 161	Barang	LXVIIa 291
Do.	XLVIIIa 165	Barmaor	XVIII 70
Do. or Hasora	XLVIIIb 166	Barnali	VIII 13
Do.	XLVIIIc 169	Barnas	LXIII 258
Atabad	LXIV 268	Do.	LXIIIc 264
Atholi	LV 213	Barukot	XLIIIId 147
Do. or Gulabgarh	XVII 65	Basaoli	LVla 234
Do.	LXXII 324	Basha	XLVI 155
Ating	XVII 66	Bashist	LV 218
Do.	XVIIa 68	Basul	LXI 250
Do.	LXXII 323	Baswan	LII 197
Auril	Ls 187	Do.	LII 197
Awantipur	XV 50	Do.	LII 197
Do.	LII 196	Do.	LII 197

	PAGE.		PAGE.
Baswan ...	LII 197	Burawai ...	XLV 152
Batala ...	Ia 3	Do. ...	XLV 153
Do. ...	LXXII 326	Burzil Choki ...	XLVIII 161
Bataor ...	LV 215	Do. ...	XLIX 171
Batoti ...	XV 49		
Do. ...	XVI 57	CAM ...	LXXXVI 330
Batulkot ...	XXXIVa 115	Chahtru opposite Old Kokser ...	XVIIIa 75
Batwari ...	LXVIIa 293	Do. ...	LXXa 310
Bawan ...	XVe 54	Chagam ...	XLVIIIb 166
Do. ...	Lla 192	Chakoti ...	XXIX 104
Bawanji ...	X 25	Do. ...	XLI 132
Do. or Bunji ...	XLVIII 162	Chakaran ...	LXIIIa 285
Do. do. ...	LX 242	Chakranta ...	XIX 81
Bazgirani ...	LXIIIa 265	Chakuti ...	XLIII 137
Bazgo ...	LXXXVI 329	Chaliskot ...	XVI 59
Belaspur ...	XIX 79	Chalt ...	LXIV 266
Beloh ...	XIIb 34	Chaluk ...	LXXI 312
Besuh Khoord ...	VIII 14	Chalunka ...	LXXXVIa 334
Bowal ...	VIIIa 15	Chamba ...	XVIII 70
Bhagoli ...	XIII 37	Do. ...	LVI 229
Do. ...	XXXVII 121	Do. ...	LXXII 325
Bhagwan ...	LVI 228	Do. ...	LXXIIa 328
Bhala ...	LXVIIa 294	Do. ...	LVIII 239
Bhalowala ...	III 6	Chamogah ...	XVIII 71
Bhandal ...	LVI 229	Chanair ...	LXIX 301
Do. ...	LXXII 325	Chandra Dul ...	LXXa 310
Bharwani ...	LVIa 237	Do. ...	LXVIIa 289
Do. ...	LXXI 318	Chango ...	XVIII 71
Bhatta Kundi ...	LXI 250	Chanota ...	VIIIa 15
Bhela ...	XVI 57	Chamukh ...	XXIV 95
Bhimber ...	VIII 14	Do. ...	XIIIa 39
Do. ...	VIIIa 14	Chaona ...	LVI 228
Do. ...	XXII 91	Do. ...	LVI 228
Do. ...	XXIII 93	Chaprar ...	XXXVII 122
Do. ...	XXXVIII 126	Char ...	LXXI 321
Do. ...	LII 196	Chashi ...	LXIII 256
Bhogmoor Pass ...	II 5	Chelil Gombaz ...	LXIV 270
Bhuddeana ...	XXXI 107	Chele or Jandi ...	XXXVII 122
Bhunniar ...	XXXIa 109	Chemo Chekore ...	LXXIIa 327
Do. ...	LII 197	Chepi ...	XVIIIa 76
Bhutkhol Pass ...	LII 198	Chergaon ...	LXVII 285
Do. ...	LXXVIa 333	Cherosar ...	Ld 185
Biagdang ...	XXV 96	Chian ...	XVII 63
Biari ...	LII 196	Chichiklik Plain ...	LXIV 270
Bij Behara ...	LII 196	Chika ...	LXXa 310
Do. ...	LII 196	Chikar ...	XLIIa 139
Do. ...	LII 196	Chilas ...	XLVI 155
Do. ...	LII 197	Do. ...	LXI 249
Bilaspur ...	LVI 233	Chiling ...	LII 200
Bisaoli ...	XVIII 69	Chilung Pass ...	LII 198
Bishenath ...	I 2	Chillum ...	XLVIII 161
Bo ...	XIVa 44	Chineni ...	XVb 52
Bodal ...	XLVIIIc 167	Chingas Serai ...	XXII 90
Do. ...	XIXa 82	Do. ...	XXXVIII 125
Do. ...	XX 83	Chipal ...	XIX 80
Boogun ...	LVIII 239	Chiring ...	XLIXa 174
Borungdoi ...	LVIII 239	Chitkul ...	LXVIIa 291
Brazil ...	XLVIIIa 164	Chitral ...	LXIII 258
Brep ...	LXIIIb 260	Chitrani ...	XVIII 70
Bringh ...	VIII 13	Chittapani ...	XIIa 36
Brok Guma ...	LXXVIa 333	Do. ...	LXIIIc 262
Buawai ...	LXI 250	Do. ...	LXIIIe 264
Bubind ...	XLVIII 168	Do. ...	LXIIIa 264
Budil ...	XXXVII 121	Do. ...	LXIIIa 264
Do. ...	XIII 37	Choai ...	LV 219
Budipura ...	XLIIIa 144	Chogul ...	XLIV 148
Budrawar ...	LXXII 325	Do. ...	XLV 151
Do. ...	LVI 228	Choke La ...	LII 199
Do. ...	LXXIII 329	Choki Chowra ...	IX 16
Do. ...	LVIa 234	Do. ...	X 20
Bugjan Hiwan ...	XVII 65	Do. ...	XI 29
Do. ...	LXXII 323	Do. ...	XII 31
Bujwas ...	XVII 65	Do. ...	XXI 88
Do. ...	LXXII 323	Chomothang La ...	LII 199
Bukma ...	LXXXVIb 335	Chongulter ...	XLIXa 174
Buldu ...	LXVII 284	Chor Nag Gulli ...	LII 197
Bunar ...	LX 243	Chowai ...	LXX 307
Bunar Dumel ...	LX 243	Chowgali ...	LX 245
Bundipura ...	XLVIII 159	Chrar ...	XIIIb 40
Do. ...	XLIX 171	Chuari ...	LVI 230
Buni ...	LXIII 258	Do. ...	LXXII 326
Bunji ...	LXI 248	Chugam ...	XLVIIIa 164
		Do. ...	XLVII 158

	PAGE.		PAGE.
Chugaon ...	X 24	Dharmal ...	XXIa 89
Chukdara ...	LXIIIc 263	Do. ...	XXI 87
Chukrata ...	LXVII 286	Dharmkot ...	III 6
Chumda Kut ...	Ld 185	Dhedu in Mandi ...	LVI 231
Chumathang ...	LXVI 279	Do. ...	LXXI 317
Chumiatti ...	XXVIII 102	Dhulkot ...	XXVII 100
Chumik ...	LXVI 280	Dhunda ...	LXVIIa 293
Chumikmarpo ...	LIVa 209	Dhurmsal ...	XII 31
Chumkurmoo ...	LIC 194	Do. ...	XXIII 92
Do. ...	LIV 205	Didoof Nag and Gulli ...	LII 197
Chunagund ...	LI 189	Dihar ...	LVI 233
Chungla Gulli ...	XXVII 100	Dir ...	LXIIIc 262
Chushman ...	LXIV 270	Dinguh ...	VI 10
Chushot ...	LXIX 299	Doarian ...	X 23
Do. ...	LXX 303	Do. ...	LX 244
Chutabar ...	XLVIIIa 169	Doda ...	LVI 228
Chutiatur ...	LXIIIc 262	Dodha or Thaleh ...	II 5
Chutrun ...	LXIV 273	Dodi ...	I 2
Cymbal Sui ...	XVa 51	Doian ...	XLVIII 161
		Do. ...	X 24
DAHIMAL ...	LXIII 256	Dolwas ridge ...	LII 197
Daigul ...	LXIIIc 264	Dooder ...	XVII 63
Do. ...	LXIIIc 265	Doodi ...	XLIVa 150
Dajgaon ...	LII 196	Doodhi Patri ...	XXXIVa 115
Dakbagan ...	LXXI 314	Doodschur Nagnala ...	LII 196
Dakar Kuru ...	XVIIIa 75	Doomboom ...	LII 199
Danga ...	LXXIIa 327	Dooral ...	XI 29
Dangala ...	LXVIIa 293	Doos ...	LII 197
Dangar Allan ...	XXXII 110	Do. ...	LIV 203
Dangoh ...	XIX 79	Dougam Le ...	LIV 207
Danguli or Palalan ferry ...	XLI 134	Dragam ...	XXXIVa 116
Dankar ...	LXVII 283	Dramthal ...	XV 49
Do. ...	LXVIIa 288	Do. ...	XVI 56
Danna ...	XLIIa 139	Drangiari ...	XLIV 148
Darasu ...	LXVIIa 293	Dras ...	XLVIIIc 167
Darband ...	LXIIIc 265	Do. ...	L 177
Darcha ...	LXX 305	Do. ...	Lc 183
Do. ...	LXXI 315	Do. ...	LI 189
Dardpoora ...	LII 197	Do. ...	LIC 193
Darhal ...	XIIb 34	Do. ...	LXXIV 329
Dari ...	XI 29	Dring ...	Ld 185
Do. ...	XLV 153	Do. ...	Le 187
Darkot ...	LXIIIa 259	Drogdun or Pron ...	La 179
Darora or Gundigar ...	LXIIIc 262	Drogulika ...	LII 199
Dargsh ...	LXIIIc 264	Do. ...	LXXII 321
Darwas ...	LV 213	Drung in Mandi ...	LVI 231
Das ...	Ld 185	Dubla Khan ...	LXXVib 335
Do. ...	Ld 186	Dudnial ...	X 23
Dashkin ...	XLVIII 161	Do. ...	LX 244
Do. ...	X 24	Do. in Drawar ...	XLV 152
Dasoha ...	LVIa 235	Dulai ...	X 22
Dau ...	LXXVI 331	Do. ...	XXVIII 102
Dauhut ...	LII 196	Do. ...	XLI 133
Do. ...	XXII 91	Do. ...	XLIII 137
Do. ...	XXIII 93	Do. ...	LX 246
Do. ...	LX 126	Dulanwala ...	VI 10
Daulatnagar ...	VII 12	Dularsh ...	LXX 308
Debring ...	LXIX 299	Do. ...	LV 220
Do. ...	LXX 304	Duman ...	XLVII 158
Dedam ...	XIVa 44	Dumel ...	X 22
Dehi-Nao ...	LXIIIc 265	Do. ...	X 23
Dehra ...	XIX 82	Do. ...	XLIII 187
Do. ...	LVb 226	Do. ...	Lc 183
Do. ...	LXVII 287	Do. ...	XXVIII 102
Do. ...	LXVIIa 294	Do. ...	XLIIIa 145
Deoband ...	LXVII 286	Do. ...	XLI 133
Deobun ...	XIX 81	Do. Pain ...	XLVII 157
Deogul or Banihal ...	XV 49	Do. ...	LX 243
Deorian ...	XLV 152	Dumhoi ...	LII 198
Deorwhey ...	XLVIIIa 169	Do. ...	XVI 59
Delhi or Yamrush ...	XIII 38	Do. ...	LII 198
Delhi ...	XXXVII 121	Dunga ...	XIV 42
Derbund ...	XLIIIc 147	Do. Gulli ...	XXVII 100
Dera ...	XV 45	Dunore ...	XVI 59
Derali ...	LXVIIa 292	Do. ...	LII 198
Derian ...	XIIa 33	Dunna ...	XLIV 149
Dhamtal ...	I 2	Dunnouf ...	XVc 53
Dhanda ...	IXa 19	Dunsal ...	XV 47
Do. ...	XXVII 100	Do. ...	XV 48
Dhar or Godhna ...	XIX 80	Do. ...	XVI 56
Dharamkoond ...	XV 46	Dunwas ...	XXXIIIa 113
Dharampur ...	LV 223	Durgai ...	LXIIIc 263

	PAGE.		PAGE.
Duska ...	IV 8	Gongra-le ...	XVIII 74
Dusso ...	XLIX ^a 173	Gongra Le ...	LIV 208
Dussolah ...	XX 85	Gonpa ...	LXXI 312
Dusu ...	LVIII 241	Gonpa Lama Scrol or Ring-	
Dutung ...	XVIII ^a 77	dom ...	XVI ^a 62
Do. ...	LXVII 283	Gooran ...	LII 197
Dwara or Katrain ...	LV 217	Do. ...	LII 197
		Do. ...	LIII 202
ESHMAKAM ...	XV ^e 55	Gopipur Dehra ...	LVI ^a 237
Do. ...	LII ^a 192	Do. do. ...	LXXI 318
Do. ...	LII 197	Gorai ...	XLVIII 160
Ekali ...	XVI 58	Do. ...	XLIX 171
Eminabad ...	III 6	Gowra ...	XVII 65
Ezas ...	LII 200	Do. ...	LXXII 323
Do. ...	LII 200	Gowrun ...	LII 196
Do. ...	LXXII 321	Do. ...	LII 196
FAGU ...	LXVIII 297	Grugurdo ...	LXVI 276
Faizabad ...	LXIII ^d 265	Gruzen ...	XLIII ^a 144
Do. ...	LXIII ^d 265	Gugai ...	XLVIII ^a 164
Fategarh ...	I 3	Gugangair ...	L 176
Firozepur ...	XXXIII 111	Do. ...	LI 189
Foljo ...	XLIX ^a 173	Gugret ...	LXXI 319
		Gujansu ...	VII 11
GADASIR ...	La 180	Gujanso ...	XXXVII 122
Gagerhil ...	XXXI ^a 109	Gujranwala ...	IV 8
Gaggerhil ...	XXXI 107	Gujrat ...	VI 9
Gagret ...	LVI ^a 237	Do. ...	VI ^a 11
Gagri, Upper ...	XXXIII 111	Do. City ...	XXXVIII 126
Do. Lower ...	XXXIII ^a 113	Do. Railway Station ...	XXXVIII 126
Gaik ...	LXVI 279	Do. do. do. ...	XXII 91
Do. ...	LXVII 281	Gulabguri ...	XIV ^a 44
Gajan ...	XXXI ^a 108	Gulmarg ...	XXXII 111
Gakuch ...	LXIII 255	Do. ...	XL 128
Gangani ...	I 177	Do. ...	XLb 130
Gangany ...	XVI 60	Do. ...	XL ^a 129
Garhi ...	XLIII 137	Do. ...	XL ^c 131
Do. ...	XLI 132	Gulmat ...	LXIV 268
Do. Habibulla ...	XLIII 142	Gulmatongo ...	XVI ^a 62
Garkhun ...	LXVI 276	Do. ...	LI ^c 194
Gasht ...	LXIII 257	Do. ...	LII 198
Gaura ...	XV 45	Do. ...	LII 198
Do. ...	LXVIII 296	Gulmit ...	LXIV 267
Gayi ...	LVI 228	Gultar ...	L ^c 183
Gazikistan ...	LXIII ^d 264	Gund ...	LI 188
Geshart ...	X ^b 27	Do. ...	L 176
Ghizar ...	LXIII 256	Gunderbul ...	L 176
Ghuenki ...	IV 7	Do. ...	La 179
Ghurdeewala ...	XX 85	Do. ...	LI 188
Ghurib Shah ...	XX 84	Gandla ...	XVIII ^a 74
Gilgit ...	X 25	Do. ...	LV 216
Do. ...	LXI 248	Do. ...	LXX 306
Do. ...	LXII 253	Do. ...	LXXI 315
Do. ...	LXIV 266	Gungabul Nag ...	La 180
Do. ...	LXIV 271	Gupis ...	LXIII 256
Do. ...	LXVI 274	Do. ...	LXIII ^a 259
Do. ...	LXXV 329	Guppar ...	LII 196
Do. to Hassan Abdal or		Gurais ...	X ^b 27
Kalake Serai ...	LXI 247	Do. ...	X ^c 28
Do. to Jammu... ..	LIX 242	Do. ...	XLVIII ^b 165
Do. to Srinagar ...	LVII 239	Do. ...	XLVIII ^c 166
Do. or Gilit ...	XLVIII 162	Do. ...	XLIX 171
Do. do. ...	LVIII 239	Do. ...	XLVIII 160
Do. do. ...	LX 242	Do. ...	L ^c 184
Do. do. ...	LXIII 254	Guran ...	XV ^d 54
Gingl ...	XLIII 141	Gurdaspur ...	LXXII 326
Girana ...	I ^a 3	Do. ...	XX 85
Gircha ...	LXIV 228	Gurikot ...	X 24
Gittidas ...	LXI 249	Do. ...	XLVII 158
Gni ...	LXVI 279	Do. of Astor ...	XLVIII ^a 164
Goalpur ...	XXIV 94	Do. do. ...	XLVIII ^b 166
Godhai ...	XLVIII 161	Do. of Gurais ...	XLVIII ^b 165
Do. ...	XLVIII ^d 168	Gurkhari ...	LVI 231
Do. ...	L ^d 186	Gya ...	XLIX 299
Goguldar ...	LII 197	Do. ...	LXX 304
Gogulmarg ...	XIV 43	HAJKA ...	XVI 58
Gohoon ...	LII 196	Hajan ...	XL ^c 130
Do. ...	LIV 203	Haidrabad ...	XXX 105
Gol ...	XVI 61	Haigutum or Hyou Kuru ...	LXIV 273
Do. ...	L 178	Hairbul Nag ...	LII 197
Do. ...	LXVI 275	Do. Gulfi ...	LII 197
Goma Hann ...	LXXVI 330	Hal ...	LXIX 301

	PAGE.		PAGE.
Halias	LXXIIa 327	Islamabad	LII 196
Halkun Gulli	LII 198	Do.	LII 196
Hamirpur	XIX 79	Do.	LII 197
Hamzigund	LXVI 276	Do.	LII 201
Hangu	LXVIIa 289	Do.	LIV 203
Hanja	XVI 58	Do.	LV 211
Hanjipur	XIVa 44	Do.	LVI 227
Do.	XVc 53	Do. or Anant Nag	XV 50
Hanle	XVIIIa 76	Do. do. do.	XVc 54
Do.	XVIII 74	Do. do. do.	XXXV 118
Do.	LIV 208	Do. do. do.	LIa 192
Do.	LXVI 280	Ismailpur	XIX 77
Hansmil	XVIIa 68	JABA	LXI 251
Hant Kothi or Raiengarh	LXVII 273	Jagatsuk	LV 218
Haobad	XLVIIIc 167	Do.	LXXa 311
Harangur	LXXVIIb 335	Jaggian	Xa 26
Hardwar	LVb 227	Jajmarg	LII 197
Do.	LXXVII 288	Jala	LXVIIa 292
Do.	LXVIIIa 294	Jalahoi	LII 198
Harhama	LV 211	Jalala	LXIIIc 263
Haripur	XLIII 142	Jalandhar	Ia 4
Do.	XLIIIa 147	Do.	LVIa 235
Do.	LXI 252	Do.	LVIa 238
Harpal Nag	LII 197	Do.	LXXI 319
Harsa	XVIII 70	Jaliper	LX 243
Harshin Tower or Nazamdhi		Do.	LXI 249
Garhi	XIII 38	Jammu	I 2
Hartle	LVIa 234	Do.	II 4
Harwan	LII 196	Do.	III 6
Hassan Abdal	XLIII 143	Do.	IV 7
Hatian	XXIX 103	Do.	V 8
Do.	XLI 132	Do.	VI 9
Do.	XLIII 137	Do.	VII 11
Do.	XLIIIa 139	Do.	VIII 13
Hattian	XLIII 141	Do.	IX 16
Hazira	XXVI 97	Do.	X 20
Do.	XXVII 99	Do.	XI 28
Do.	XXVIII 101	Do.	XII 30
Hemiya	LXVI 279	Do.	XIII 36
Do.	LXVII 281	Do.	XIV 41
Hemis Shukpa	LXXVI 329	Do.	XV 45
Hil	VIIIa 15	Do.	XV 47
Hilloh	XIIc 35	Do.	XV 48
Do.	XXXVa 119	Do.	XVI 56
Hillun	XXXIa 108	Do.	XVII 63
Do.	XXXII 110	Do.	XIXa 82
Hiniskut	LII 199	Do.	XX 83
Hinjoo	LII 199	Do.	XVIII 69
Do.	LXXII 321	Do.	XIX 77
Hirmai	LII 197	Do.	XXI 88
Hirpura	XIIIb 34	Do.	LXXIII 329
Do.	XII 32	Jandi, Upper	XIII 37
Do.	XXXV 117	Jandrai Kapain Ki Baoli	XIII 37
Do.	XXXVIII 124	Do. do. do.	XXXVII 122
Hispar	LXIV 272	Jangi	LXVIIa 290
Hoksar Pass	LII 197	Janglwar	LXXII 324
Hole Nar	XLVI 155	Jaora	XVII 64
Honupatta	XVII 67	Do.	LXXII 325
Do.	LXXII 322	Jared	XLIVa 150
Hopar Ratal	LXIV 272	Jarna	LV 215
Hoshiarpur	XX 85	Jasrota	XIX 77
Do.	LVIa 238	Jhatingri in Mandi	LXXI 316
Do.	LXXI 319	Jhelum	VII 13
Hoti Mardan	LXIIIc 263	Do.	VIII 14
Hoto	XLIXa 173	Do.	XXIV 95
Huahl	LIV 207	Do.	XXV 96
Hungar	LXXVIa 333	Do.	XLI 135
Hunza or Baltit	LXIV 267	Jibi	LV 219
Hurdwar	XIX 82	Do.	LXX 307
Hurla in Mandi	LVI 231	Jimagun	XLV 152
Hurriana	XX 85	Jiram	LXIIIa 265
Hurrikun Gulli	LII 196	Jitar	LXVII 286
IGHIZ YAR	LXIV 271	Jora	XLV 152
Indus River	LXII 254	Do.	XLV 153
Do. Valley	LXXV 329	Do.	LX 245
Inshin	XVd 54	Joshni	XVI 57
Do.	XVI 59	Do.	XVII 64
Do.	LII 197	Do.	LXXII 324
Do. in Wurdwan	LIII 202	Jualamukhi	XIX 79
Ishkashim Fort	LXIIIa 265	Jughtha	LXVII 283
Iskitul	LXIIIa 265	Jugtha	XVIIIa 77

	PAGE.		PAGE.
Juktak	LIV 207	Katiali	XXIV 95
Jungli	LXVII 285	Katrai	LXX 307
Jut	LXII 253	Do.	LXXI 316
Ka Ia Yust	LXIIIe 264	Kawai	LXI 251
Kachgal River	XIIc 35	Kenglung	XVIII 72
Kag	XIIIb 41	Kensi	XLIVa 150
Kahuta	XXVI 98	Kepchung	L 178
Do.	XXX 105	Kerka	LXXXVI 331
Do.	XXXII 110	Kerko	LXXXVib 334
Do.	XXXI 107	Khaibar	LXIV 268
Do.	XXXIa 108	Khairabad	LXIIIc 265
Kailgan Rocks	XVIa 61	Khagan	LXI 250
Do.	LII 198	Khagan	L 176
Do.	LIV 204	Do.	LI 188
Kailing	LV 216	Khalsi	LXXVI 330
Do.	LXXI 315	Do.	LII 199
Do. (Kardang)	XVIII 71	Do.	LII 199
Do. or Kardang	LXX 306	Do.	LXVI 277
Kaja	LXVII 283	Khan Baba Sahib's Ziarat	XIIIb 40
Kakar Hatti	LVa 224	Khandut	LXIIIc 265
Kaka Bakru	LVIa 235	Khanki	XLIIb 146
Kalake Serai	LXI 252	Khanpur	XII 32
Do.	XLIII 143	Do.	XIIc 35
Kalamulla	XXXI 107	Do.	XIIId 36
Kalan	LX 243	Do.	XIII 38
Kalapani	XLVIIIb 165	Do.	XIV 43
Kalar	VIIIa 15	Khapalu	LXXVI 331
Kalel	LXXIIa 328	Do.	LXXXVIa 334
Kalen	LVI 228	Do.	LXXXVib 334
Kalichunji	LXII 253	Kharbu	LI 190
Kalka	LV 223	Khardong	LXXXVII 336
Do.	LVa 224	Kharigam or Shardi	X 23
Do.	LVI 233	Khawuch	LXXI 311
Do.	LXVIII 298	Do.	LII 200
Do.	LXIX 303	Khel	X 23
Kamoke	III 7	Do.	Xc 27
Kanda	LXVII 286	Do.	XLVII 157
Kangi	LII 199	Do.	LX 244
Do.	LII 199	Khiang Shisa	LIXa 210
Kangra	XIX 79	Do.	XVIII 73
Do.	LVIa 237	Khodar	X 21
Do.	LXXI 318	Khulmoche	LIV 207
Kanjili	XIV 42	Do.	LIVa 210
Kanjoo	LXXIIa 327	Khunda	XLIII 141
Kanital	LII 198	Khurma foo	XVII 66
Kansur	XV 45	Do.	LXXXII 322
Kanzilwan	Xb 27	Do. Sumdo	LXXIa 319
Do.	Xc 28	Do.	LXXI 312
Do.	XLVIIIa 163	Khutti	XLIXa 173
Karawul	LXIV 271	Kiangdom	XVIII 73
Karcha	XVIIIa 75	Do.	LIV 207
Do.	LXXa 310	Do.	LIVa 210
Karen	X 23	Do.	LXVII 283
Do.	Xa 26	Do.	LXVII 281
Do.	LX 245	Kiare	LV 223
Do.	XLIVa 150	Kiari Ghat	LXVII 285
Kargil	Ld 185	Kilba	LII 199
Do.	XVI 60	Kilchu	LII 199
Do.	LI 189	Do.	LXIIIb 260
Kargyah	LXXI 315	Kila Daband	LXIIIc 264
Do.	LIVa 209	Kila Drasan	LXIIIc 262
Karka	XLIVa 150	Kila Drosch	XXIX 104
Karkitchu	L 177	Kilana	LXIX 300
Do.	Ld 185	Kilang	LXX 305
Do.	Le 186	Do.	LXXa 309
Karkuti	LXVIIa 291	Kila-i-Panja	LXIIIc 265
Kar-Le	XVIIIa 76	Do.	LXIIIc 265
Karmoch	LIV 206	Kilar	LV 213
Karpitu	XLIX 172	Do.	LXXXIIa 327
Karpoor	LII 196	Kimkol	LXIV 271
Kartaksho	XVI 60	Kinampani	XIX 81
Do. or Khurmang	LXVI 276	Kinderali or Gulabgurrh Fort	XIV 43
Do. do.	L 178	Kinirun	LII 197
Kartarpur	Ia 4	Kioto	XVIIIa 75
Karzok	LXVII 282	Do.	XVIIIa 76
Kasauli	LVa 224	Kiris	LXXVI 331
Kashimul	XLIXa 173	Kirkitchu	XVI 60
Kashmir and Chamba Border	LV 213	Kishtwar	XVI 57
Katasiri	Ld 185	Do.	XVII 64
Katera	XVa 51	Do.	LV 212
Kathai	XLIII 141	Do.	LXXXII 324
		Kisslin	LII 197

	PAGE.		PAGE.
Kisslin Gulli ...	LII 197	Kuru ...	LXXXVI 331
Kiwar ...	XVIIa 77	Kutch Brangsa ...	LXIV 273
Do. ...	LXVII 283	Kutiyan ...	XIX 81
Kobak ...	LXIII ^d 264	Kutsura ...	XLVIII ^d 168
Koghazi ...	LXIII 258	Kuttoah ...	XIX 78
Do. ...	LXIII ^e 264	Do. ...	XIX ^a 83
Kohala ...	X 21		
Do. ...	XLI 133	LARRANG ...	LXVIIa 290
Do. ...	XLIIa 140	Lachiwala ...	XIX 82
Do. ...	XLII 138	Do. ...	LV ^b 226
Do. ...	XXVIII 102	Do. ...	LXVII 287
Do. ...	LX 246	Lagudarsi ...	XVIIa 75
Koireta ...	IX 17	Lahore ...	III 7
Do. ...	X 21	Lahun-i-thul ...	La 180
Do. ...	XI 20	Lakong ...	LXXI 315
Do. ...	XXIII 92	Lakwar ...	LXVII 287
Kokser ...	XVIIIa 74	Do. ...	XIX 81
Do. ...	LV 217	Lala Musa ...	XXIII 93
Do. ...	LXX 306	Lalpani ...	XLIX 172
Do. ...	LXXI 315	Lalpura ...	XLVI 154
Komarsen ...	LV 220	Do. ...	XLVIa 156
Do. ...	LXX 308	Do. ...	XLVII 157
Komra ...	LVIII 241	Laluri ...	LXVIIa 204
Kongwatta ...	XIIIa 39	Lam Tso ...	XVIII 73
Konsa Nag ...	XIIIa 39	Do. ...	LIV 207
Kontra ...	XL ^c 131	Lama Guru ...	XVIII 73
Kopadar Ferry ...	XLI 133	Do. ...	LIV 209
Koradgai ...	XLVIII ^c 167	Lamayuru ...	XVII 67
Koro ...	LXXVIa 333	Do. ...	LI 190
Korta ...	XVII 63	Do. ...	LII 199
Korophon ...	XLIXa 174	Do. ...	LII 199
Kot ...	LXX 307	Landra ...	XV 48
Do. ...	LV 219	Do. ...	XV ^b 52
Kotgarh ...	LXVIII 297	Langar ...	LXIII 257
Do. ...	LV 221	Langera ...	LVI 229
Kothiala Shekhan ...	VIa 11	Do. ...	LXXII 325
Kotla ...	XXII 91	Lansor Naugaon ...	XLIIIa 143
Do. ...	XXXVIII 126	Lapurba ...	LXXIa 319
Do. ...	XXIII 93	Larji ...	LV 219
Do. ...	LVIa 236	Do. ...	LXX 307
Do. ...	LVI 230	Laroka ...	IX 17
Kotla or Triloknath ...	XIX 78	Do. ...	X 21
Kotli ...	IX 17	Larsa-le ...	XVIII 73
Do. ...	IXa 18	Laspur ...	XLIII 257
Do. ...	X 21	Latek ...	XVIII 73
Do. ...	XI 29	Leechar ...	LX 243
Do. ...	XXIII 92	Do. ...	LXI 248
Do. ...	XXIV 94	Leh ...	XVII 67
Kotroo ...	XV 46	Do. ...	LI 191
Kowri ...	Xa 25	Do. ...	LII 200
Kralpoora ...	XXXVa 119	Do. ...	LII 200
Kramang ...	LXVII 281	Do. ...	LII 200
Krishan Sar ...	L ^b 181	Do. ...	LII 200
Krinchi ...	XV 47	Do. ...	LXVI 278
Kroras ...	XLVI 154	Do. ...	LXVII 280
Kroras or Thien ...	XLVII 157	Do. ...	LXIX 298
Kukti ...	XVIII 71	Do. ...	LXVIII 295
Kukturuk ...	LXIV 269	Do. ...	LXX 303
Kulan ...	LIa 191	Do. ...	LXXIII 329
Kulang ...	XVIII 72	Do. ...	LXXIV 329
Do. ...	LXX 305	Do. ...	LXXII 321
Do. ...	LXXI 315	Do. ...	LXXVI 329
Kulgam ...	XXXV 117	Do. ...	LXXI 311
Kullen ...	XVI 57	Do. ...	LXXV 329
Kulowal ...	VI 9	Do. ...	LXXVI 329
Kumar Hati ...	XIX 79	Do. ...	LXXVIIa 332
Kunda La ...	LII 233	Do. ...	LXXVII 336
Kundulu ...	LVI 200	Lichu ...	LXIX 301
Kundhel Umshil ...	XVII 65	Lidang ...	LXIX 301
Do. ...	LXXXII 323	Lidar Wat ...	LII 197
Kungi La ...	LII 199	Do. ...	LIIa 192
Kunsrao ...	XIX 82	Lingti Sarchu ...	LIVa 209
Do. ...	LV ^b 226	Linian Marg ...	XL 128
Do. ...	LXVII 287	Linshot ...	XVIIa 68
Kuraun ...	LXXI 316	Lio ...	LXVIIa 289
Kureeanwala ...	VII 12	Litim ...	LXVII 285
Kurghan-i-Ujadbai ...	LXIV 269	Liwapatur Pass ...	LII 197
Kuri ...	XIV 43	Loang ...	LVIa 234
Do. ...	LX 245	Lodrdona ...	XLV 151
Kurigam ...	XLV 153	Lohin Hadol ...	XLVIIIa 164
Kursha ...	XVIIa 68	Do. ...	XLVIII ^b 165
Do. ...	LXXXII 323	Lohun-i-Thul or Dokolla Bal ...	L ^b 182

	PAGE.		PAGE.
Loisar	75	Masuri or Landour	81
Lokur	81	Mastij	257
Lokutpoora Springs	197	Do.	260
Loodun Marg	119	Matayan	177
Loon	304	Do.	189
Loontoonnu	305	Mathiana	222
Lorloken	167	Do.	297
Luchmun Bhatea	133	Matsil	27
Luchmun Patun	97	Mehtah	3
Ludiana	86	Merh	45
Lun	264	Mesaj Pass	196
Lunachmo	333	Do.	196
Lungni Valley	196	Metmoo	198
Lursa	284	Metwan	198
Lusar	301	Do.	204
Lutka	264	Do.	61
Lyall Viaduct	236	Mian Mir	7
Lyrsa	302	Miani	10
		Do.	11
MACHAIL	65	Minawar	13
Do.	323	Do.	25
Machalong	299	Do.	162
Do.	303	Do.	248
Madhopur	78	Do.	242
Do.	83	Minawur	12
Do.	235	Mintaka	269
Madial	46	Mir	45
Magam	112	Mir Malik	158
Do.	127	Do.	24
Magorum	273	Mir Walis Fort	259
Maharran	61	Miragram	260
Do.	204	Mirpur	15
Do.	198	Do.	95
Mahiye	279	Mirthal	235
Mail	69	Misgar	268
Maindrot	81	Miyar	215
Maira	139	Moghul Maidan	211
Maja Mazne	253	Mogulpur	151
Majee	10	Mohu	53
Majra	225	Mokta Malik	154
Majrao	213	Moktab Malik-ka-kothi	27
Malakund	263	Mokerian	85
Malot or Dhara ferry	133	Do.	235
Malukwal	10	Moong	10
Man Sar	69	Moneri	293
Manali	217	Morse Khol	59
Manaur	251	Morsekhol	198
Do.	307	Mozafferabad	27
Do.	316	Do.	102
Mandholi	81	Do.	142
Mandi	232	Do.	145
Do. or Koondah	111	Do.	246
Do. or Rajpur	114	Do.	149
Do. or do.	115	Muhutak	9
Mandpur	69	Muhtianah	85
Manechan	207	Mulpani	285
Do.	210	Muridki	7
Mangh	18	Murkush	268
Do.	21	Murree	19
Do.	99	Do.	100
Manglaor	219	Do. (Sunny Bank)	246
Do.	221	Mushidi Nar	182
Do.	308	Mushki	167
Manguwal	237	Muth	284
Do.	319	Do.	302
Manjiri	229	Mutial or Gunial	185
Do.	325	Muttiana	308
Mankot	33		
Mansera	142	NACHAR	295
Do.	145	Do.	303
Do.	251	Nachilana	52
Do.	197	Nadaon	79
Margan Pass	214	Naerung	322
Margraon	197	Nag Kunda	220
Maroo or Petgam	197	Do.	222
Do.	198	Do.	297
Do.	204	Do.	303
Maroo or Pelgam in Wurdwan	183	Do.	308
Marpo	197	Do.	183
Martund	328	Nagai	218
Masrund	294	Nagar	267
Masuri	287	Do.	271
Do.			

	PAGE.		PAGE.
Nagar	... LXXa 311	Oolasa	... XVIII 70
Nagbaran	... LII 196	Owen Ferry	... XLI 134
Do.	... LII 197		
Do.	... LII 197	PADAM	... XVII 66
Nagku	... LXVIIa 289	Do.	... LIc 195
Nagmarg	... XLVla 156	Do.	... LIV 205
Nagri	... IXa 19	Do.	... LIVa 208
Nagtat	... XIX 81	Do.	... LXXI 313
Nahan	... LVb 225	Do.	... LXXIIa 327
Naini Bazar	... LVb 225	Padua	... XVIII 69
Nakkerole	... XVIIa 76	Pailgam	... XVc 55
Nakot or Chanian	... XLIIIa 144	Do.	... LIa 192
Nalagurh	... LVI 233	Do.	... LII 197
Naoshera	... IX 16	Paipering Maidan	... LXIV 272
Do.	... XI 29	Pajahoi	... LII 198
Do.	... XXII 91	Pakapura	... XIIId 36
Do.	... XXXVIII 121	Do.	... XII 35
Do.	... X 20	Pakoi or Dehra Nanuk	... I 3
Nar	... XIIIa 39	Do.	... Ia 3
Do.	... XIII 37	Pala	... Xa 25
Do.	... XXVI 97	Do.	... LX 245
Do.	... XXXVII 121	Palan	... XXXIa 108
Narang	... LXI 250	Do.	... XXXII 110
Narbu Sundo	... XVIIIa 75	Palandri	... IXa 18
Do.	... XVIIIa 77	Do.	... X 21
Do.	... LXVII 283	Do.	... XXVI 97
Narh	... LXXVI 331	Palampur	... LVI 231
Nawangiran	... XLIIId 147	Do.	... LXXI 317
Nazamdi Garhi	... XXXVII 121	Paloi	... LX 243
Nichinai	... Lb 181	Pampur	... LII 196
Nihat	... XLVI 155	Do.	... LII 196
Niltopa Gulli	... LII 197	Do.	... LII 196
Nima Mud	... LXVI 279	Do.	... LII 196
Nimu	... XVII 67	Do.	... LII 196
Do.	... LI 191	Do.	... LII 196
Do.	... LII 200	Pangi	... LXVIIa 291
Do.	... LII 200	Pangot	... XVII 66
Do.	... LXVI 277	Do.	... LXXII 332
Do.	... LII 200	Panjgram	... XLIIIa 144
Do.	... LXXII 321	Panjtarni	... XVe 55
Nira or Naerung	... XVII 67	Do.	... LIb 193
Niri Sundo	... LXXI 320	Panjur	... XXVI 98
Do.	... LXXI 320	Panjhot	... XLIV 149
Nirit	... LV 221	Papt. Robat	... LXIV 270
Do.	... LXVIII 296	Parand	... XV 46
Nishat Bagh	... LII 196	Do.	... XVb 52
Nithal	... LXVIIa 291	Pariwala	... VIa 11
Nogri	... LXVIII 296	Parkuta	... L 178
Nomal	... LXIV 266	Do.	... Ia 187
Noorpur	... LVla 236	Do.	... LXVI 275
Noseri Nansada	... XLIIIa 144	Do.	... XVI 60
Nowboog	... LII 197	Parkutsi	... LIc 194
Do.	... LII 196	Do.	... LII 198
Do.	... LIII 202	Do.	... LII 198
Nowbug	... XVd 54	Partan	... XLIV 149
Nowi	... LXVI 280	Pasrur	... II 5
Newsada	... X 85	Passu	... LXIV 268
Nowshera Ghat	... XX 22	Pasur Nai	... LII 197
Do.	... LXIIIc 263	Patan	... XXX 106
Nubbibranskar or Lower Hanu	... LXVI 276	Do.	... XLa 129
Nugrotch	... LVI 231	Do.	... XLI 131
Do.	... LXXI 317	Do.	... XLII 135
Nura Seri	... XLIV 149	Do.	... XLIII 140
Nuraseri	... X 22	Do.	... XLIV 147
Do.	... XLIIIa 144	Do.	... XLV 151
Nurkikot	... XX 84	Do.	... XLVI 153
Nurla	... XVII 67	Do.	... XLVII 157
Do.	... LI 190	Patarnala	... XIX 80
Do.	... LII 200	Patian	... Xa 26
Do.	... LII 200	Patsio	... XVIII 72
Do.	... LXVI 277	Do.	... LXX 305
Do.	... LXXXVI 330	Paunda	... LXVIII 295
Narpur	... XIX 78	Pergulta	... XVII 63
Do.	... XXXIVa 115	Do.	... XVIII 69
Do.	... LXI 230	Pertabpul	... X 25
Do.	... LXXII 326	Peshwari	... XLVIII 160
		Do.	... XLIX 171
		Do.	... Lc 184
ODAPUR	... LV 215	Petgam	... XVIa 61
Oghi	... XLIIb 146	Petgam or Maru	... XVI 58
Olting Thang	... XVI 60	Petrara	... XXIa 89
Do.	... L 177	Peyki	... LXVII 285

	PAGE.		PAGE.
Phagu	XIX 80	Puthankot	LVIa 236
Do.	LV 222	Do.	LXXII 326
Do.	LXX 308	Puti Runi	XVIIIa 75
Phaiyila	LII 199	Do.	LXXa 310
Do.	LXXII 321	Pyas	LV 212
Phakar	LXIV 267		
Phalak	X 23	RADAN	XXIV 94
Phalian	VIa 11	Rahla	LV 217
Phalma	XVI 57	Do.	LV 217
Phamber	LII 197	Do.	LXX 306
Do.	LIV 204	Do.	LXX 315
Pharpat Marg	XXXII 110	Rain	LXIIIe 264
Phagwari	XX 86	Raja Sansee	II 5
Phayang Dokpo	LXXVI 329	Rajaori (Rampur)	XII 31
Do.	LXXVIa 332	Do. (do.)	XIIa 33
Phe	LIc 195	Do. (do.)	XIIb 33
Do.	LIV 205	Do. (do.)	XXI 87
Phedi	LXVIIa 294	Do.	XXIa 89
Phillour	XX 86	Do. (do.)	XXII 90
Phooktal Gonpa	LXXX 320	Do. (do.)	XXXVIII 125
Photaksur	XVII 67	Rajpur	XIX 82
Do.	LXXII 322	Rajparan Rajpur	XIX 83
Photu La	LII 199	Do. do.	LII 197
Phugwara	XX 86	Do. do.	LIV 203
Phulmai	Xe 28	Rakh	XVIII 70
Phultuks	Le 187	Ramband	XV 47
Do. Tso	Le 187	Do.	XV 48
Piantra or Kedi	XIX 80	Do.	XV 49
Pidmer	XVIIa 68	Ramdun Sankpo	LIV 205
Pind-Dadun Khan	VI 10	Do. Sankpo	XVIa 62
Do.	VIa 11	Do. do.	LIc 194
Pingal	LXIII 256	Do. do.	LII 198
Piun or Paxfain	LXXVI 331	Ramghat	X 24
Do. do.	LXXVIa 334	Do. or Shaitan Nara	XLVIIId 162
Piyas	XII 65	Ramkot	XXIX 103
Do.	LXXII 324	Ramjak	LXXI 315
Poari	LXVIIa 291	Ramkot	XVIII 69
Pokh	LXVIIa 288	Ramnagar	XVII 63
Pokri	XIX 81	Rampatan	XLI 132
Polhallan	XLb 129	Rampur	XVIII 69
Poni	XIII 37	Do.	XIXa 83
Do.	XXXVII 122	Do.	XXX 105
Pood	LVIa 234	Do.	XL 128
Poonch	XI 30	Do.	XLI 132
Do.	XIIa 33	Do.	XLII 136
Do.	XXI 87	Do.	LV 221
Do.	XXIa 88	Do.	LXVIII 296
Do.	XXII 90	Do.	LXIX 303
Do.	XXIII 92	Do. Mundi	LVB 226
Do.	XXIV 94	Rampura	X 23
Do.	XXV 95	Ramsu	XVa 49
Do.	XXVI 97	Ramu	XXXVII 120
Do.	XXVII 99	Do.	XXXVIII 124
Do.	XXVIII 101	Rangrik	LXIX 301
Do.	XXIX 103	Ranital	XIX 79
Do.	XXX 105	Do.	LVIa 237
Do.	XXXI 107	Do.	LXXI 318
Do.	XXXIa 108	Rarang	LXVIIa 290
Do.	XXXII 110	Rareri	LVI 230
Do.	XXXIII 111	Do.	LXXII 326
Do.	XXXIV 113	Rawul Pindi	VIIIa 15
Do.	XXXV 116	Do.	IX 17
Do.	XLVIIIe 169	Do.	XXVI 98
Popal	XII 31	Do.	XLII 139
Poshiana	XIIId 35	Do.	XL 247
Do.	XXXV 117	Renipura	LII 197
Do.	XXXVIII 125	Reru	LIVa 209
Prahu	LXXVIa 334	Do.	LXXI 313
Prinkiti La	LII 199	Reshun	LXIII 258
Ptiase	LXIX 302	Rewat	VIIIa 15
Puga	LXVII 281	Do.	IX 17
Pukarkot	XLVIIIa 164	Reyah	II 5
Do.	XLVIIIb 165	Riassi	XIV 42
Pukora	XLVIIIId 169	Do.	XV 45
Punjgram	X 22	Do.	XVa 51
Punmah	XLIXa 174	Ringdom	LII 198
Purkatsu	XVIa 62	Do.	LII 198
Pustirang	LXVII 284	Do.	LII 198
Pustuni	LII 196	Do.	LII 199
Puthankot	XIX 78	Ringdom or Gonpa Lama Serai	LIc 194
Do.	XIX 83	Ringmo Chani	XLVIIIId 168
Do.	LVIa 235	Rishpura	LII 196

		PAGE.			PAGE.		
Rishpura	...	LII	196	Satli	...	LXXVII	336
Robat	...	LXIII ^c	263	Sauch	...	LV	213
Rogchin or Rukchen	...	LXIX	299	Do.	...	LV	215
Rondu (Mendi)	...	XLVIII ^e	170	Sedan	...	XIII ^a	40
Rongul	...	L ^e	187	Sekiwas in Jajimarg	...	LI ^a	191
Roru	...	LXVII	285	Selar	...	VIII ^a	15
Ruah	...	LXIII ^e	264	Seni Gonpa	...	XVII	66
Do.	...	LXIII ^e	265	Do.	...	LI ^c	195
Ruia	...	L ^d	185	Do.	...	LIV	205
Runbir Singhpur	...	II	5	Sensar	...	IX	17
Do.	...	III	6	Do.	...	XXV	96
Do.	...	IV	7	Ser	...	XXV	95
Do.	...	V	8	Seri	...	X	23
Do.	...	VI	9	Do.	...	LX	244
Rupeh	...	XVIII	71	Siala	...	XXVI	98
SAD MAHADEO	...	XV	52	Sialkot	...	II	5
Safed Pari	...	XLVIII	162	Do.	...	III	6
Do.	...	X	25	Do.	...	IV	7
Do.	...	LX	242	Do.	...	V	8
Do.	...	LXI	248	Do.	...	VI	9
Safer Bek	...	LXIII ^b	261	Do.	...	XXXVII	123
Do.	...	LXIII ^a	259	Sialsui	...	XII	31
Sagam	...	LII	196	Do.	...	XXI	87
Do.	...	LIV	203	Sikhabach	...	XLIX	171
Sagra	...	XXI ^a	89	Simla	...	XIX	80
Sahamspur	...	LV ^b	226	Do.	...	LV	222
Sahike Hati	...	XIX	79	Do.	...	LV ^a	224
Saichu	...	LV	215	Do.	...	LXVIII	297
Saidabad	...	XXII	91	Do.	...	LXIX	303
Do.	...	XXIII	93	Do.	...	LXX	309
Do.	...	XXXVIII	125	Sindh Valley	...	LXXIV	329
Saidgurh	...	I	2	Singal	...	LXIII	255
Do.	...	XX	84	Singpur	...	LV	211
Sainj	...	XIX	80	Siot	...	IX	16
Sairi	...	XIX	79	Do.	...	X	20
Do.	...	XI	29	Do.	...	XI	29
Do.	...	XXIII	92	Siri	...	XVII	65
Do.	...	XXIV	94	Do.	...	LV	212
Do.	...	LV ^a	224	Sirkuli	...	XLVII	157
Sajkot	...	IX ^a	19	Sirmu	...	LXXXVI	331
Salgraon	...	IX	17	Sisu	...	XVII ^a	74
Do.	Ferry	XLI	134	Do.	...	LXX	306
Salu	...	LII	196	Sissu	...	LV	216
Do.	...	LII	196	Do.	...	LXXI	315
Samba	...	XIX	77	Sol	...	LV	213
Sambarta	...	XVIII	69	Solon	...	LV	223
Sangam	...	XLVI	154	Do.	...	LXIX	303
Samakial or Dudokot	...	LXII	254	Do.	...	LV ^b	225
Samurhial	...	V	9	Do.	...	LXVIII	297
Sanger	...	XVI	58	Somra	...	LXVII ^a	289
Sangkho	...	XVI	59	Sonamarg	...	L	176
Sangkhu	...	LI ^c	193	Do.	...	L ^b	181
Sangla	...	LXVII ^e	291	Do.	...	LI	189
Sanglich	...	LXIII ^d	264	Soph	...	XV ^d	54
Do.	...	LXIII ^d	265	Sopur	...	XL ^c	130
Sango Plain	...	XVIII	74	Do.	...	XLIV	148
Do.	...	LXVI	280	Do.	...	XLV	151
Sangtha	...	LXX	304	Do.	...	XLVI	153
Sangurwini	...	XII ^a	36	Do.	...	XLVII	157
Sanghar	...	LXIII	257	Sotoon	...	LII	197
Santwari	...	XLVII	157	Soulantakakh	...	LIV	206
Saogam	...	LII	197	Suancho	...	LXVII ^a	291
Saor	...	LV	214	Suidraman	...	LII	197
Sarchu Lingtu	...	XVIII	73	Do.	...	LII	197
Do.	...	LXIX	300	Shadera	...	XLIII	141
Do.	...	LXX	303	Do.	...	III	7
Sarhad	...	LXIII ^a	260	Shadi	...	LXXI	320
Do. in Wakham	...	LXIII ^b	261	Shadock	...	L ^e	187
Sarhan	...	LXVIII	296	Shah-i-Shalim	...	LXIII ^d	264
Sarieh	...	LXXI	313	Shahkot	...	X	23
Sar Leh	...	LIV ^a	209	Do.	...	X ^a	26
Sarsawa	...	IX ^a	18	Do.	...	LX	245
Do.	...	X	21	Shahpur	...	XIX	78
Do.	...	XXV	96	Do.	...	LVI	230
Sartote or Nundkot	...	XIII ^a	39	Do.	...	LVI ^a	236
Sasil (Haramosh)	...	LVIII	239	Shak Sang	...	LXVII	282
Saspul	...	XVII	67	Shali	...	LXIII ^d	264
Do.	...	LI	190	Shalimar	...	LII	196
Do.	...	LII	200	Shalna	...	LXVII	285
Do.	...	LII	200	Shaluta	...	XLIV	148
Do.	...	LXVI	277	Do.	...	XLIV ^a	149
				Shangus	...	LII	196

	PAGE.		PAGE.
Shangus	LII 197	Srinagar	XLIV 147
Do.	LIII 201	Do.	XLV 151
Shar	LII 196	Do.	XLVI 153
Shardi	Xb 26	Do.	XLVIIa 155
Do.	XLVI 154	Do.	XLVII 156
Shardi or Kurigam	LX 244	Do.	XLVIII 159
Sharot	LXIII 255	Do.	L 175
Shayok Valley	LXXVI 329	Do.	La 179
Shergol	LI 190	Do.	LI 188
Shera	LXVII 281	Do.	LII 196
Do.	LXVI 278	Do.	LII 196
Shevalia	XIX 81	Do.	LII 196
Do.	LXVII 287	Do.	LII 196
Shigar	XLIXa 173	Do.	LII 196
Do.	LXV 274	Do.	LII 196
Do.	LXXVIb 335	Do.	LII 196
Shikara	XLIVa 150	Do.	LIII 201
Shikarpur	XXV 96	Do.	LIV 203
Do.	XLI 134	Do.	LV 311
Shilla	LII 199	Do.	LVI 227
Do.	LII 199	Do.	LXXIV 329
Shilsar Pass	LII 197	Do.	LXXIV 329
Shinamam	XXXIIIa 113	Stak	LVIII 240
Shingardodar	X 23	Stakchun	XLVIIIa 168
Shingchakpi	XLIXa 174	Steriko	LVII 240
Shingos	LVIII 240	Stiatbu Brangsa	LXIV 273
Shisha Nag	XVe 55	Sukasin	VIIIa 14
Shogoth	LXIIIa 264	Suket	LVI 232
Do.	LXIIIa 264	Suknis	XVI 59
Shontar	XLVII 157	Do.	LII 197
Shupiyon	XII 32	Do.	LII 197
Do.	XIIb 34	Do.	LII 197
Do.	XIII 38	Do.	LII 197
Do.	XIIIa 40	Do.	LII 197
Do.	XIIIb 40	Do.	LII 197
Do.	XIV 43	Do.	LII 197
Do.	XIVa 44	Do.	LII 198
Do.	XVc 53	Do.	LII 198
Do.	XXXVII 121	Sultan Patri	XXXIV 114
Do.	XXXV 117	Sultanpur	LV 217
Do.	XXXVIII 124	Do.	LV 219
Shushot Indus Bridge	LII 200	Do.	LXX 307
Shutroon	LVIII 240	Do.	LXXa 311
Skardu	XVI 61	Do.	LXXI 316
Do.	XLVIIIa 160	Do.	LIV 207
Do.	XLIX 172	Sum Gal	Lc 183
Do.	XLIXa 173	Sumalo	LXIII 255
Do.	L 179	Sumar	XLVIa 155
Do.	LVIII 241	Sambhul	XLVIII 159
Do.	LXV 274	Do.	XLIX 170
Do.	LXVI 274	Do.	XVIII 72
Do.	LXXVI 329	Sumdeo Darcha	LIV 207
Do.	LXXVI 332	Sumdo	LXIX 300
Do.	XLIXa 274	Sumdu	LXIX 300
Skeenmang	LII 200	Sumkyel	LXVI 284
Skio	LXXI 312	Sunam	LXIX 302
Do.	LXVI 277	Do.	LII 197
Skirbichan	LXXVI 330	Sunasur Nag	LII 197
Do.	XVIIa 68	Do. Gulli	LII 197
Sneatse	XII 32	Sungnam	LXVIIa 289
Srinagar	XIIc 35	Sunny Bank under Murree	XLII 138
Do.	XIIa 36	Do.	Lvb 225
Do.	XIII 38	Surahan	XVIII 72
Do.	XIV 43	Suruj Dul	XXI 87
Do.	XV 50	Suran	XXII 90
Do.	XXX 106	Do.	XXXV 117
Do.	XXXIII 112	Suron	LV 221
Do.	XXXIIIa 113	Suru	XVI 59
Do.	XXXIV 115	Do.	XVIa 62
Do.	XXXIVa 116	Do.	Llc 194
Do.	XXXVa 119	Do.	LII 198
Do.	XXXVI 120	Do.	LXXIV 329
Do.	XXXVII 120	Suruin Sar	XVII 63
Do.	XXXVIII 123	Do.	XVIII 69
Do.	XXXIX 127	Surus	XXXVa 119
Do.	XL 127	Sutak	LIV 206
Do.	XLa 128	Sutket	XVIII 71
Do.	XLb 129	Syboog	XXXIIIa 113
Do.	XLc 130		
Do.	XLI 131	TABO	LXVIIa 288
Do.	XLII 135	Tai	XXV 95
Do.	XLIII 140	Takh	LIV 206
		Do.	LXX 304

Bound by

Bharati

13, Patwardhan Lane,

Date.....2..MAR 1960

